

## CD20 Rabbit mAb

Catalog No: #48726



Package Size: #48726-1 50ul #48726-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

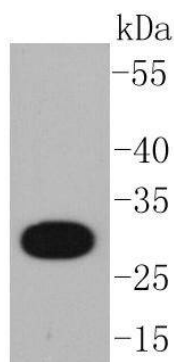
## Description

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|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | CD20 Rabbit mAb                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Host Species          | Recombinant Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Clonality             | Monoclonal antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Clone No.             | SY12-01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Purification          | ProA affinity purified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Applications          | WB, IHC, IP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Species Reactivity    | Hu, Monkey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Immunogen Description | recombinant protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Other Names           | APY antibody ATOPY antibody B lymphocyte antigen CD20 antibody B Lymphocyte Cell Surface Antigen B1 antibody B-lymphocyte antigen CD20 antibody B-lymphocyte cell-surface antigen B1 antibody B-lymphocyte surface antigen B1 antibody B1 antibody Bp 35 antibody Bp35 antibody CD 20 antibody CD20 antibody CD20 antigen antibody CD20 receptor antibody CD20_HUMAN antibody CVID5 antibody Fc epsilon receptor I beta chain antibody Fc Fragment of IgE high affinity I receptor for beta polypeptide antibody FCER1B antibody High affinity immunoglobulin epsilon receptor subunit beta antibody IgE Fc receptor subunit beta antibody IGEL antibody IGER antibody IGHHER antibody LEU 16 antibody LEU16 antibody leukocyte surface antigen Leu 16 antibody Leukocyte surface antigen Leu-16 antibody Ly44 antibody Membrane spanning 4 domains A1 antibody Membrane spanning 4 domains subfamily A member 2 antibody Membrane-spanning 4-domains subfamily A member 1 antibody MS4A1 antibody MS4A2 antibody S7 antibody |
| Accession No.         | Swiss-Prot#:P11836                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Calculated MW         | 33 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Formulation           | 1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Storage               | Store at -20°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

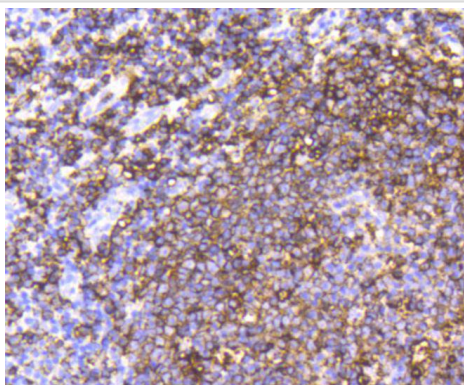
## Application Details

WB: 1:1,000-5,000IHC: 1:50-1:200

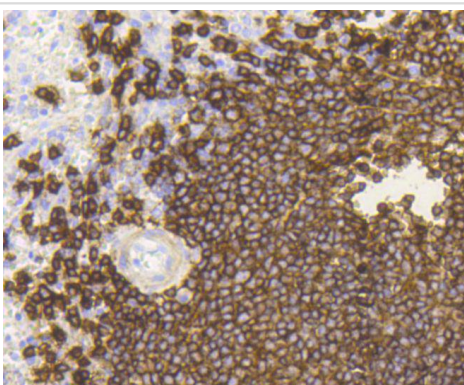
## Images



Western blot analysis of CD20 on Raji cell lysates using anti-CD20 antibody at 1/1,000 dilution.



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-CD20 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-CD20 antibody. Counter stained with hematoxylin.

## Background

CD20 is a leukocyte surface antigen consisting of four transmembrane regions and cytoplasmic N- and C-termini. The cytoplasmic domain of CD20 contains multiple phosphorylation sites, leading to additional isoforms. CD20 is expressed primarily on B cells but has also been detected on both normal and neoplastic T cells. CD20 functions as a calcium-permeable cation channel, and it is known to accelerate the G0 to G1 progression induced by IGF-1. CD20 is activated by the IGF-1 receptor via the alpha subunits of the heterotrimeric G proteins. Activation of CD20 significantly increases DNA synthesis and is thought to involve basic helix-loop-helix leucine zipper transcription factors.

## References

1. Alhejaily A et al. Inactivation of the CDKN2A tumor-suppressor gene by deletion or methylation is common at diagnosis in follicular lymphoma and associated with poor clinical outcome. Clin Cancer Res 20:1676-86 (2014).
2. Xiang Z et al. Targeted Activation of Human V?9Vd2-T Cells Controls Epstein-Barr Virus-Induced B Cell Lymphoproliferative Disease. Cancer Cell 26:565-76 (2014).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.