

FOXP1 Rabbit mAb

Catalog No: #49358



Package Size: #49358-1 50ul #49358-2 100ul

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

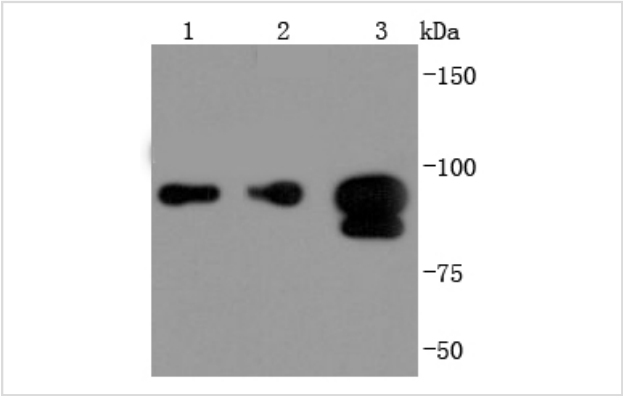
Description

|                       |   |
|-----------------------|---|
| Product Name          | FOXP1 Rabbit mAb  |
| Host Species          | Recombinant Rabbit  |
| Clonality             | Monoclonal antibody   |
| Clone No.             | JF1017  |
| Purification          | ProA affinity purified  |
| Applications          | WB, IHC, FC   |
| Species Reactivity    | Hu, Ms, Rt  |
| Immunogen Description | recombinant protein   |
| Other Names           | 12CC4 antibody FLJ23741 antibody Fork head related protein like B antibody Forkhead box P1 antibody Forkhead box protein P1 antibody FOX P1 antibody FOXP 1 antibody foxp1 antibody FOXP1_HUMAN antibody Glutamine rich factor 1 antibody hFKH1B antibody HSPC215 antibody MGC12942 antibody MGC88572 antibody MGC99551 antibody QRF 1 antibody QRF1 antibody |
| Accession No.         | Swiss-Prot#:Q9H334  |
| Calculated MW         | 77/75 kDa   |
| Formulation           | 1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.  |
| Storage               | Store at -20°C  |

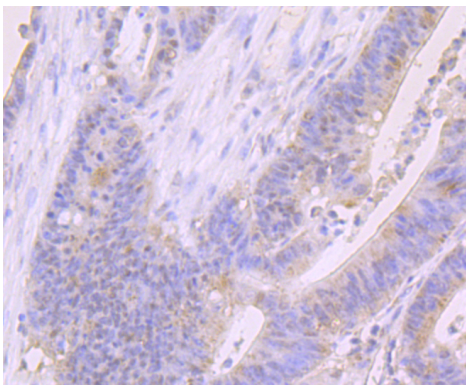
Application Details

WB: 1:1,000-5,000IHC: 1:50-1:200FC: 1:50-1:100

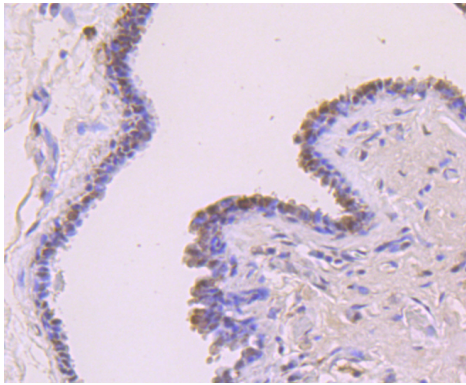
Images



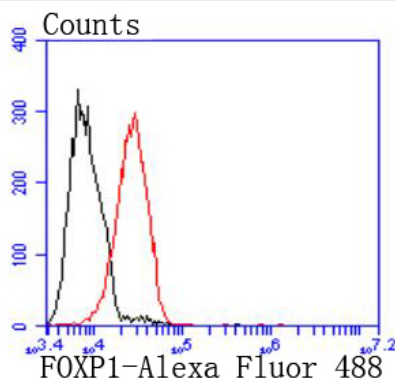
Western blot analysis of FOXP1 on different lysates using anti-FOXP1 antibody at 1/1,000 dilution. Positive control:  
Lane 1: Hela      Lane 2: Jurkat Lane 3: MCF-7



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-FOXP1 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-FOXP1 antibody. Counter stained with hematoxylin.



Flow cytometric analysis of MCF-7 cells with FOXP1 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody

## Background

The FOX family of transcription factors is a large group of proteins that share a common DNA binding domain termed a winged-helix or forkhead domain. During early development, FOXP1 and FOXP2 are expressed abundantly in the lung with lower levels of expression in neural, intestinal and cardiovascular tissues, where they act as transcription repressors. FOXP1 is widely expressed in adult tissues, while neoplastic cells often exhibit a dramatic change in expression level or localization of FOXP1. The gene encoding human FOXP1 maps to chromosome 3p14.1. The gene encoding human FOXP2 maps to chromosome 7q31. The gene encoding FOXP3, a third member of this family, maps to chromosome Xp11.23-Xq13.3. Mutations in this gene cause IPEX, a fatal, X-linked inherited disorder characterized by immune dysregulation. The FOXP3 protein, also known as scurfin, is essential for normal immune homeostasis. Specifically, FOXP3 represses transcription through a DNA binding forkhead domain, thereby regulating T-cell activation.

## References

1. Hua ZL et al. Rac1 plays an essential role in axon growth and guidance and in neuronal survival in the central and peripheral nervous systems. *Neural Dev* 10:21 (2015).
2. Lu TX et al. Epstein-Barr virus positive diffuse large B-cell lymphoma predict poor outcome, regardless of the age. *Sci Rep* 5:12168 (2015).

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