

## CD133 Rabbit mAb

Catalog No: #56954



Package Size: #56954-1 50ul #56954-2 100ul

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

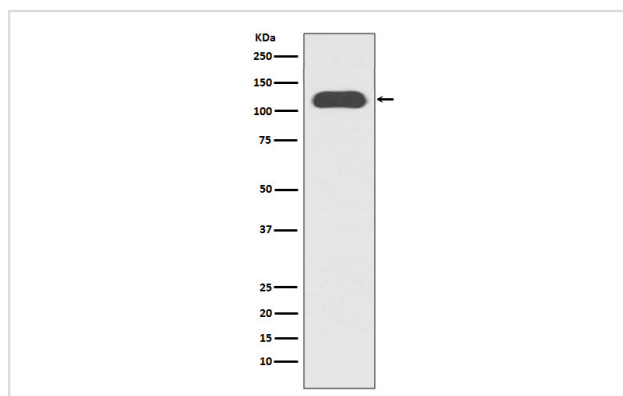
## Description

|                       |                                                                                                    |
|-----------------------|----------------------------------------------------------------------------------------------------|
| Product Name          | CD133 Rabbit mAb                                                                                   |
| Host Species          | Recombinant Rabbit                                                                                 |
| Clonality             | Monoclonal                                                                                         |
| Isotype               | Rabbit IgG                                                                                         |
| Purification          | Affinity-chromatography                                                                            |
| Applications          | WB IHC                                                                                             |
| Species Reactivity    | Human                                                                                              |
| Specificity           | CD133 Antibody detects endogenous levels of total CD133                                            |
| Immunogen Description | A synthesized peptide derived from human CD133                                                     |
| Conjugates            | Unconjugated                                                                                       |
| Other Names           | AC133; CD133; CORD12; hProminin; MCDR2; PROM1; Prominin like 1; Prominin1; PROML1; RP41; STGD4     |
| Accession No.         | Uniprot:O43490                                                                                     |
| Calculated MW         | 97kDa                                                                                              |
| SDS-PAGE MW           | 133kDa                                                                                             |
| Formulation           | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Storage               | Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.                     |

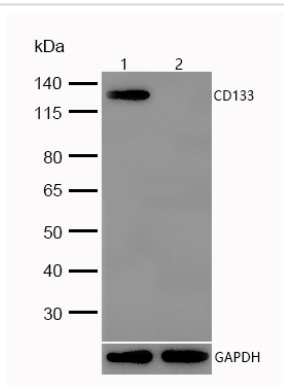
## Application Details

WB:1:500~1:2000IHC:1:50~1:200

## Images



Western blot analysis of CD133 expression in HT-29 cell lysate.

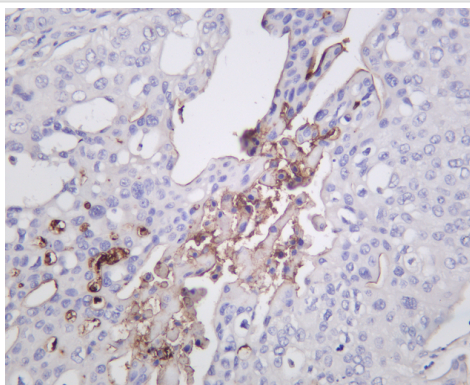


All lanes : CD133 Rabbit mAb at 1/1k dilution

Lane 1 : Wild-type HAP1 cell lysate

Lane 2 : CD133 knockout HAP1 cell lysate

Lysates/proteins at 20 µg per lane.



Formalin-fixed, paraffin-embedded Human bladder carcinoma tissue stained for CD133 using 56954 at 1/100 dilution in immunohistochemical analysis.

## Product Description

May play a role in cell differentiation, proliferation and apoptosis (PubMed:24556617). Binds cholesterol in cholesterol-containing plasma membrane microdomains and may play a role in the organization of the apical plasma membrane in epithelial cells. During early retinal development acts as a key regulator of disk morphogenesis. Involved in regulation of MAPK and Akt signaling pathways. In neuroblastoma cells suppresses cell differentiation such as neurite outgrowth in a RET-dependent manner.

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