

PROM1 Antibody

Catalog No: #32019

Package Size: #32019-1 50ul #32019-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

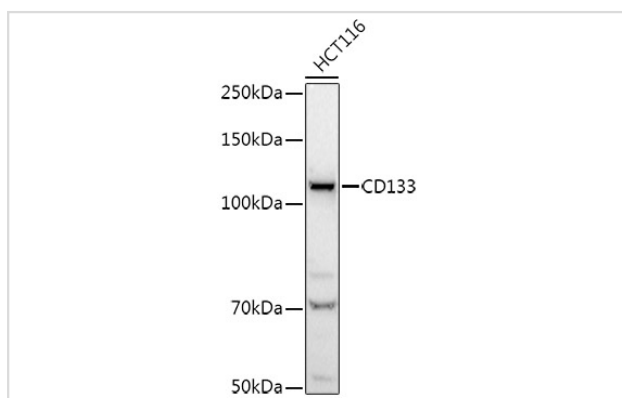
Description

| | |
|-----------------------|---|
| Product Name | PROM1 Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Purification | Affinity purification |
| Applications | WB,IHC,IF |
| Species Reactivity | Human,Mouse,Rat |
| Specificity | The antibody detects endogenous level of total PROM1 protein. |
| Immunogen Type | Peptide |
| Immunogen Description | Recombinant fusion protein of human CD133 (NP_001139320.1). |
| Target Name | PROM1 |
| Other Names | PROM1;AC133;CD133;CORD12;MCDR2;MSTP061;PROML1;RP41;STGD4 |
| Accession No. | Uniprot:O43490GeneID:8842 |
| Uniprot | O43490 |
| GeneID | 8842 |
| SDS-PAGE MW | 120KDa |
| Concentration | 1.0mg/ml |
| Formulation | PBS with 0.02% sodium azide,50% glycerol,pH7.3. |
| Storage | Store at -20°C. Avoid freeze / thaw cycles. |

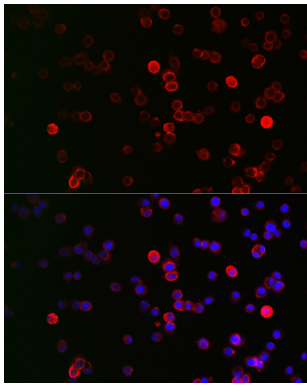
Application Details

WB □ 1:500 - 1:2000 IHC □ 1:50 - 1:200 IF □ 1:50 - 1:200

Images



Western blot analysis of extracts of HCT116 cells, using CD133 antibody.



Immunofluorescence analysis of HT-29 cells using CD133 antibody.



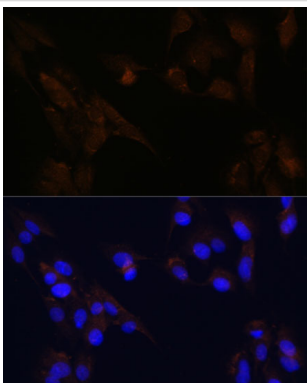
Immunohistochemistry of paraffin-embedded rat lung using CD133 Rabbit pAb.



Immunohistochemistry of paraffin-embedded human colon carcinoma using CD133 Rabbit pAb.



Immunohistochemistry of paraffin-embedded rat kidney using CD133 Rabbit pAb.



Immunofluorescence analysis of C6 cells using CD133 antibody.



Western blot analysis of extracts of various cell lines, using CD133 antibody.

Background

This gene encodes a pentaspan transmembrane glycoprotein. The protein localizes to membrane protrusions and is often expressed on adult stem cells, where it is thought to function in maintaining stem cell properties by suppressing differentiation. Mutations in this gene have been shown to result in retinitis pigmentosa and Stargardt disease. Expression of this gene is also associated with several types of cancer. This gene is expressed from at least five alternative promoters that are expressed in a tissue-dependent manner. Multiple transcript variants encoding different isoforms have been found for this gene.

Note: This product is for in vitro research use only