

CD133 Antibody

Catalog No: #48566



Package Size: #48566-1 50ul #48566-2 100ul

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

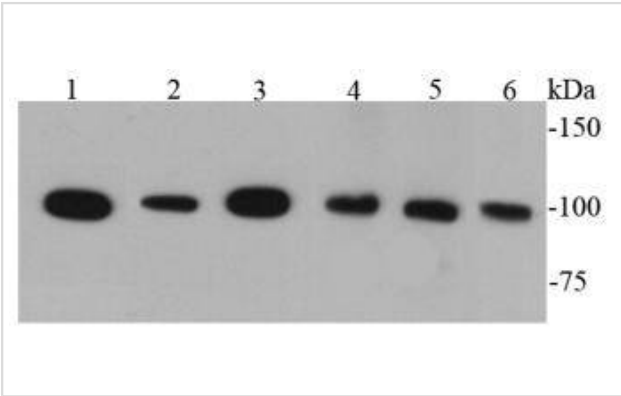
Description

|                       |  |
|-----------------------|--|
| Product Name          | CD133 Antibody   |
| Host Species          | Rabbit   |
| Clonality             | Polyclonal   |
| Purification          | Peptide affinity purified  |
| Applications          | WB, ICC, IHC, FC   |
| Species Reactivity    | Hu   |
| Immunogen Description | recombinant protein  |
| Other Names           | AC133 antibody Antigen AC133 antibody CD133 antibody CORD12 antibody Hematopoietic stem cell antigen antibody hProminin antibody MCDR2 antibody MSTP061 antibody OTTHUMP00000217744 antibody OTTHUMP00000217745 antibody OTTHUMP00000217746 antibody PROM1 antibody PROM1_HUMAN antibody Prominin I antibody Prominin like 1 antibody Prominin like protein 1 precursor antibody Prominin mouse like 1 antibody Prominin-1 antibody Prominin-like protein 1 antibody Prominin1 antibody PROML1 antibody RP41 antibody STGD4 antibody |
| Accession No.         | Swiss-Prot#:O43490   |
| Uniprot               | O43490   |
| GeneID                | 8842;  |
| Calculated MW         | 100 kDa  |
| Formulation           | 1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.   |
| Storage               | Store at -20°C   |

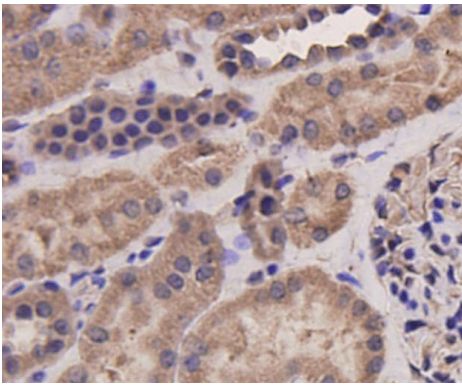
Application Details

WB: 1:1,000IHC: 1:200 ICC: 1:200 FC: 1:100-1:200

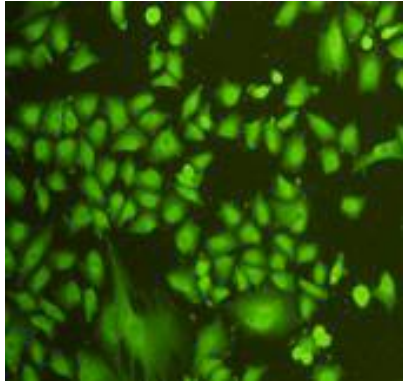
Images



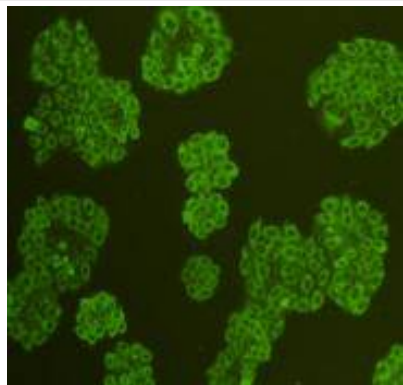
Western blot analysis of CD133 on different cell lysates using anti-CD133 antibody at 1/1000 dilution.



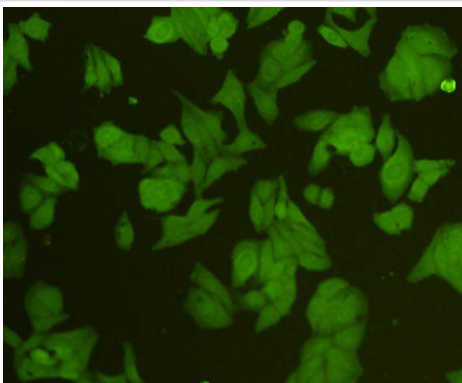
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-CD133 antibody. Counter stained with hematoxylin.



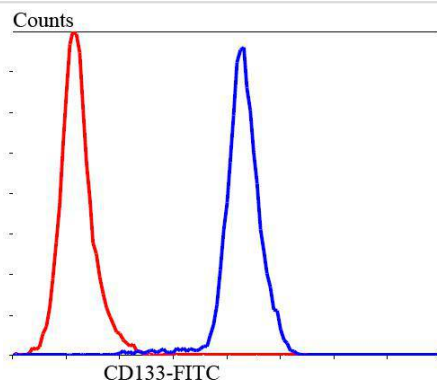
ICC staining CD133 in A549 cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



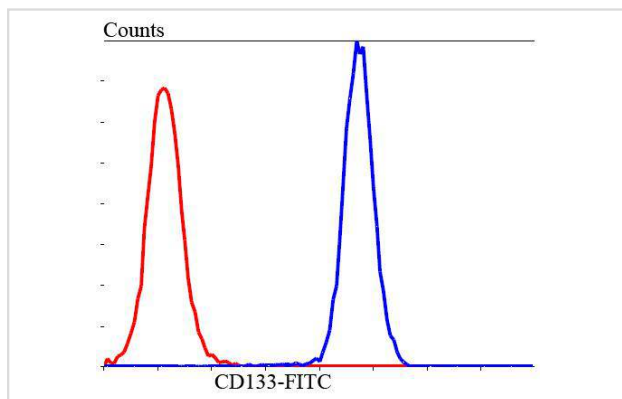
ICC staining CD133 in HepG2 cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining CD133 in Hela cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of SHG-44 cells with CD133 antibody at 1/100 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Goat anti rabbit IgG (FITC) was used as the secondary antibody.



Flow cytometric analysis of HUVEC cells with CD133 antibody at 1/100 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Goat anti rabbit IgG (FITC) was used as the secondary antibody.

## Background

CD133 is a glycoprotein also known in humans and rodents as Prominin 1 (PROM1). It is the founding member of pentaspan transmembrane glycoproteins (5-transmembrane, 5-TM), which specifically localizes to cellular protrusions. CD133 is expressed in hematopoietic stem cells, endothelial progenitor cells, glioblastomas, neuronal and glial stem cells and some other cell types. CD133 is recognized as a stem cell marker for normal and cancerous tissues.

## References

Note: This product is for in vitro research use only