Product Datasheet

CD133 Antibody

Catalog No: #48362

Package Size: #48362-1 50ul #48362-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

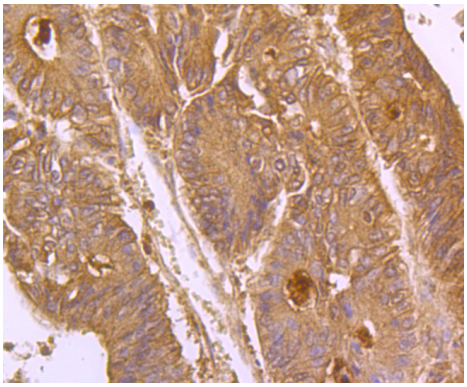
Description

Product Name	CD133 Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	D2-B1
Purification	Peptide affinity purified
Applications	IHC,ICC
Species Reactivity	Hu, Ms
Immunogen Description	Peptide
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	Predicted band size 97 kDa
Formulation	1*TBS (pH7.4), 0.5%BSA, 50%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

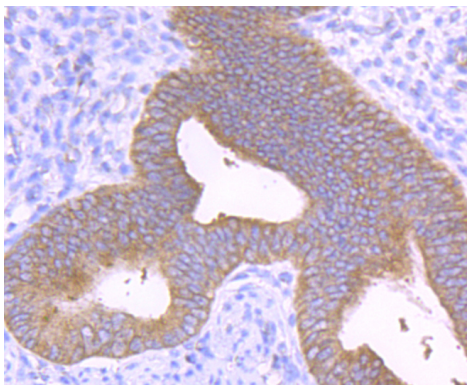
Application Details

IHC: 1:50-1:200ICC: 1:100-1:500

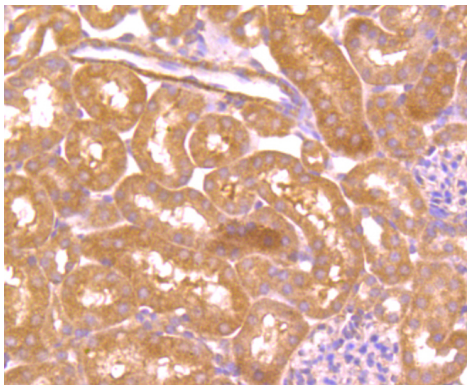
Images



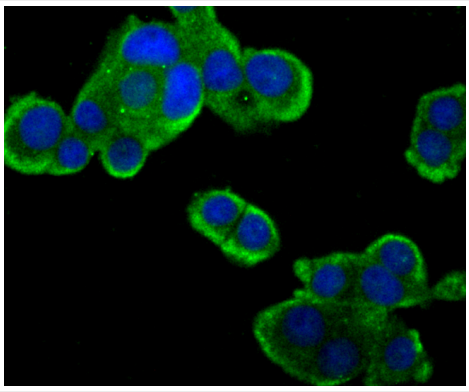
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-CD133 antibody. Counter stained with hematoxylin.



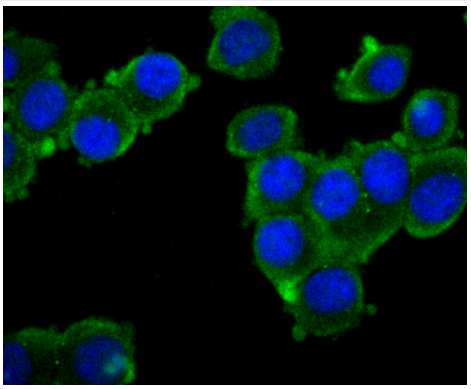
Immunohistochemical analysis of paraffin-embedded human uterus tissue using anti-CD133 antibody. Counter stained with hematoxylin.



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



ICC staining CD133 (green) in LOVO cells. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining CD133 (green) in N2A cells. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

CD133 antigen also known as prominin-1 is a glycoprotein that in humans is encoded by the PROM1 gene. It is a member of pentaspan transmembrane glycoproteins (5-transmembrane, 5-TM), which specifically localize to cellular protrusions. While the precise function of CD133 remains unknown, it has been proposed to act as an organizer of cell membrane topology.

References

Note: This product is for in vitro research use only