Product Name: CD133 (6H10) Mouse Monoclonal Antibody
Catalog #: AMM03504

Summary

Production Name	CD133 (6H10) Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG2a
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purification

Immunogen

Gene Name	PROM1
Alternative Names	Prominin-1; Antigen AC133; Prominin-like protein 1; CD133.
Gene ID	8842
SwissProt ID	O43490.

Application

Dilution Ratio	WB: 1:500-1:1000
Molecular Weight	Calculated MW: 97 kDa; Observed MW: 133 kDa

Background

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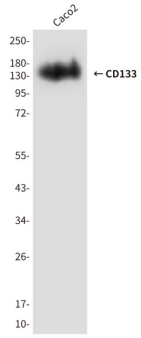
This gene encodes a pentaspan transmembrane glycoprotein. The protein localizes to membrane protrusions and is often expressed on adult stem cells, where it is thought to function in maintaining stem cell properties by suppressing differentiation. Mutations in this gene have been shown to result in retinitis 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.

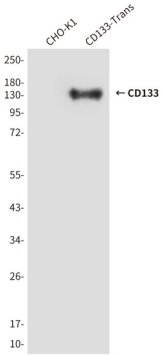
Research Area

Neuroscience

Image Data



Western blot analysis of CD133 in CaCo2 lysates using CD133 antibody.



Western blot analysis of CD133 (6H10) in CHO-K1 cells nontransfected (A) or transfected (B) with CD133 using CD133 antibody.

Note

For research use only.