

Product Name: CD133 Rabbit Polyclonal Antibody
Catalog #: APRab03356



Summary

Production Name	CD133 Rabbit Polyclonal Antibody
Description	Primary antibody
Host	Rabbit
Application	WB,IHC-P,ELISA
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal Antibody
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 Purified

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 IHC: 1/50-1/100 ELISA: 1/10000
Molecular Weight	Calculated MW: 97 kDa; Observed MW: 110 kDa

Background

This gene encodes a pentaspan transmembrane glycoprotein. The protein localizes to membrane protrusions and is often

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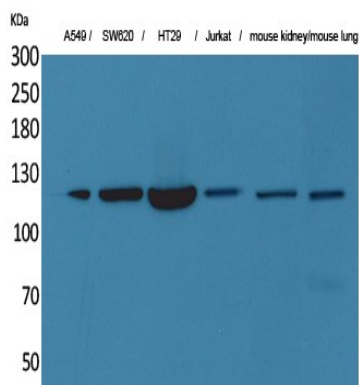


expressed on adult stem cells, where it is thought to function in maintaining stem cell properties by suppressing differentiation. Mutations in this gene have been shown to result in retinitis pigmentosa and Stargardt disease. Expression of this gene is also associated with several types of cancer. This 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 A549, SW620, HT-29, Jurkat, mouse kidney, mouse lung lysates using CD133 antibody.

Note

For research use only.