

CD133 Rabbit mAb

Catalog NO.: A28967 **Recombinant**

Basic Information

Observed MW

133 kDa

Calculated MW

93-97 kDa

Category

Monoclonal Antibodies

Applications

WB, IHC-P, ELISA

Cross-Reactivity

Human

Conjugation

Unconjugated

Clone number

ARC3564

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.

Recommended Dilutions

WB 1:4000 - 1:10000

IHC-P 1:500 - 1:2000

ELISA

Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (≥1:10000), a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID	Swiss Prot
8842	O43490

Immunogen

This information is considered to be commercially sensitive.

Synonyms

RP41; AC133; CD133; MCDR2; STGD4; CORD12; PROML1; MSTP061

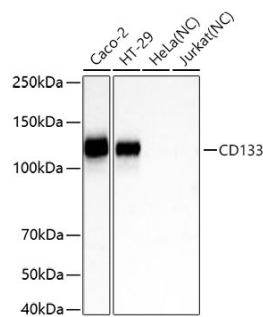
Contact

Product Information

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☒		service@abclonal.com
☒		www.abclonal.com

Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage		
Store at -20°C. Avoid freeze / thaw cycles.		
Buffer:PBS with 0.09% sodium azide,0.05% BSA,50% glycerol,pH7.3		

Validation Data



Western blot analysis of various lysates using CD133 Rabbit mAb (A28967) at 1:10000 dilution incubated at room temperature for 1.5 hours.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

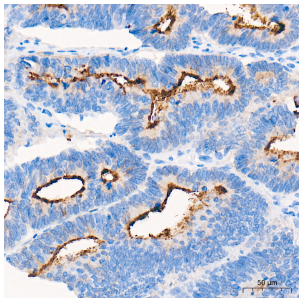
Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

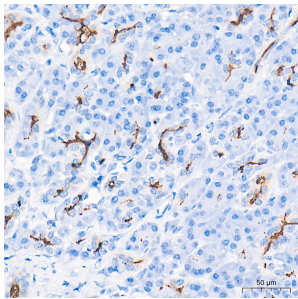
Detection: ECL Basic Kit (RM00020).

Negative control (NC): HeLa, Jurkat.

Exposure time: 60 s.



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using CD133 Rabbit mAb (A28967) at a dilution of 1:1800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human pancreas tissue using CD133 Rabbit mAb (A28967) at a dilution of 1:1800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

