

A0219

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## CD133 Rabbit pAb

Catalog No.: A0219

16 Publications

### Basic Information

#### Observed MW

120kDa

#### Calculated MW

97kDa

#### Category

Polyclonal Antibody

#### Applications

WB, IF/ICC, ELISA

#### Cross-Reactivity

Human, Mouse, Rat

### 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	1:500 - 1:1000
IF/ICC	1:50 - 1:200

### Immunogen Information

#### Gene ID

8842

#### Swiss Prot

O43490

#### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 179-433 of human CD133 (NP\_006008.1).

#### Synonyms

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

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

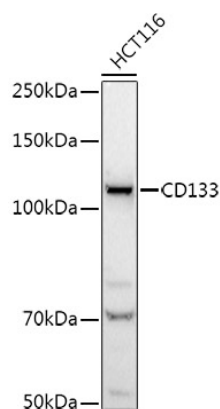
Affinity purification

#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

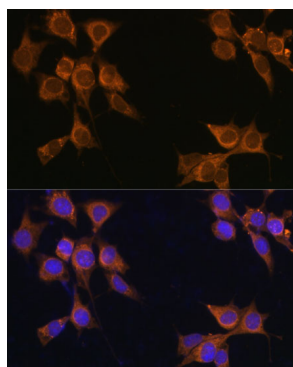
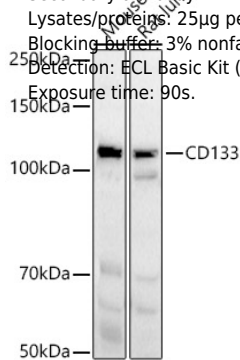
Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

## Validation Data

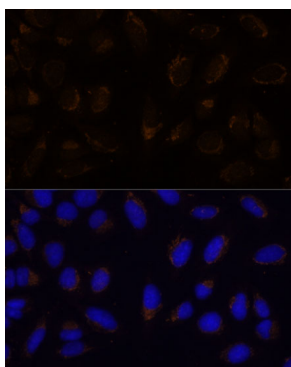


Western blot analysis of lysates from HCT116 cells, using CD133 Rabbit pAb (A0219) at 1:1000 dilution.  
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.  
 Lysates/proteins: 25µg per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Basic Kit (RM00020).  
 Exposure time: 30s.

Western blot analysis of various lysates using CD133 Rabbit pAb (A0219) at 1:1000 dilution.  
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.  
 Lysates/proteins: 25µg per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Basic Kit (RM00020).  
 Exposure time: 90s.



Immunofluorescence analysis of NIH/3T3 cells using CD133 Rabbit pAb (A0219) at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (A5007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U-2 OS cells using CD133 Rabbit pAb (A0219) at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (A5007) at 1:500 dilution. Blue: DAPI for nuclear staining.