

For Research Use Only

# CD133-1,2 Polyclonal antibody

Catalog Number:19946-1-AP



## Basic Information

### Catalog Number:

19946-1-AP

### Size:

150ul , Concentration: 400 ug/ml by Nanodrop and 360 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

NM\_006017

### GeneID (NCBI):

8842

### UNIPROT ID:

O43490

### Full Name:

prominin 1

### Calculated MW:

97 kDa

### Observed MW:

110-120 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

## Applications

### Tested Applications:

WB, IP, ELISA

### Species Specificity:

human

### Positive Controls:

WB : HT-29 cells, Caco-2 cells

IP : Y79 cells,

## Background Information

CD133, also known as PROM1 (prominin-1) or AC133, belongs to the prominin family. CD133 is a transmembrane glycoprotein with an NH<sub>2</sub>-terminal extracellular domain, five transmembrane loops and a cytoplasmic tail. The expression of CD133 has been reported in hematopoietic stem cells, endothelial progenitor cells, neuronal and glial stem cells, suggesting the potential role of CD133 as a cell surface marker of adult stem cells. CD133 has also been reported as a marker of cancer stem cells in various human tumors. This antibody recognizes transcript variant 1,2 of CD133.

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

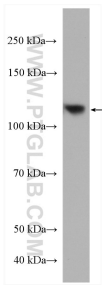
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

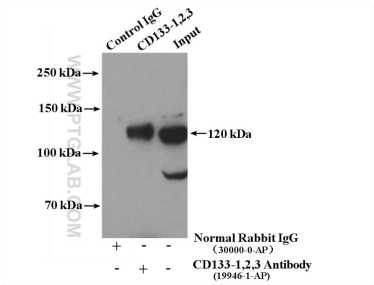
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



HT-29 cells were subjected to SDS PAGE followed by western blot with 19946-1-AP (CD133-1,2 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP result of anti-CD133-1,2 (IP:19946-1-AP, 4ug; Detection:19946-1-AP 1:300) with Y79 cells lysate 2000ug.