For Research Use Only

# CD133 Polyclonal antibody

Catalog Number:18495-1-AP 3 Publications

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## Basic Information

Catalog Number:
18495-1-AP

Size:
500 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG13327

GenBank Accession Number:
BC012089

GeneID (NCBI):
8842

UNIPROT ID:
O43490

Full Name:
prominin 1

Calculated MW:
97 kDa

Observed MW:
110-115 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:1000

## Applications

Tested Applications:
FC, WB,ELISA

Cited Applications:
WB, IF

Species Specificity:
human, mouse

Cited Species:
human, mouse

Positive Controls:

WB : Caco-2 cells, mouse skeletal muscle tissue, HT-29 cells

## Background Information

CD133, also known as PROM1 (prominin-1) or AC133, belongs to the prominin family. CD133 is a transmembrane glycoprotein with an NH2-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.

## Notable Publications

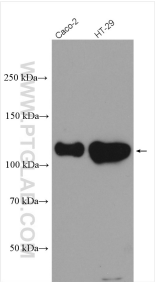
| Author | Pubmed ID | Journal | Application |
|---|---|---|---|
| Yufei Li | 38192670 | Oncol Lett | IF |
| Zhen Fang | 37062068 | Cancer Med | WB |
| Chang-Jun Liu | 36711025 | J Oncol | WB,IF |

## Storage

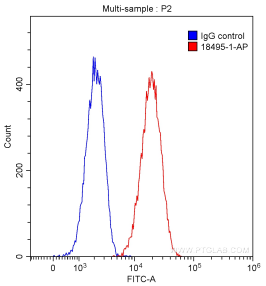
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

## Selected Validation Data




Various lysates were subjected to SDS PAGE followed by western blot with 18495-1-AP (CD133 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.




1X10^6 HT-29 cells were stained with 0.20 ug Anti-Human CD133 (18495-1-AP) (red) or 0.20 ug isotype control antibody (blue) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000. Cells were fixed with 90% MeOH.