

For Research Use Only

CD133 Polyclonal ANTIBODY



Catalog Number: 18470-1-AP

Featured Product

81 Publications

Basic Information

Catalog Number:
18470-1-AP

Size:
103 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AG13328

GenBank Accession Number:
BC012089

GeneID (NCBI):
8842

Full Name:
prominin 1

Calculated MW:
97 kDa

Observed MW:
115 kDa-120 kDa

Recommended Dilutions:
WB 1:500-1:1000

Applications

Tested Applications:
FC, WB, ELISA

Cited Applications:
FC, IF, IHC, WB

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse, rat

Note: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse kidney tissue; HT-29 cells, mouse pancreas tissue

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
Yang Liu	27685621	Cell Death Dis	WB, IF
Qiu-Zhong Pan	25267273	Stem Cells	WB, IHC
Furong Xie	26308070	Oncotarget	IHC

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

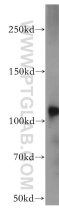
For technical support and original validation data for this product please contact:

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

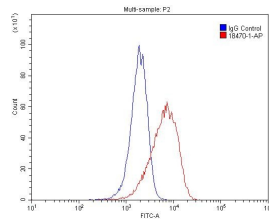
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



mouse kidney tissue were subjected to SDS PAGE followed by western blot with 18470-1-AP(PROM1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours



1X10⁶ HeLa cells were stained with 0.2ug CD133 antibody (18470-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.