

For Research Use Only

CD133 Polyclonal antibody

Catalog Number: 18495-1-AP **3 Publications**



Basic Information

Catalog Number: 18495-1-AP	GenBank Accession Number: BC012089	Purification Method: Antigen affinity purification
Size: 500 µg/ml	GeneID (NCBI): 8842	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	UNIPROT ID: O43490	
Isotype: IgG	Full Name: prominin 1	
Immunogen Catalog Number: AG13327	Calculated MW: 97 kDa	
	Observed MW: 110-115 kDa	

Applications

Tested Applications: FC, WB, ELISA	Positive Controls: WB : Caco-2 cells, mouse skeletal muscle tissue, HT-29 cells
Cited Applications: IF, WB	
Species Specificity: human, mouse	
Cited Species: human, mouse	

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

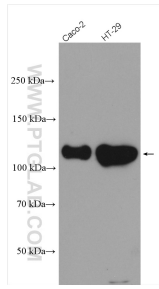
Storage

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

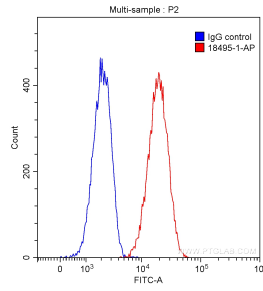
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Selected Validation Data



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.



1X10⁶ 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.