

À des fins de recherche uniquement

Anticorps Monoclonal anti-CD133

Numéro de catalogue: 66666-1-Ig **40 Publications**



Informations de base

Numéro de catalogue: 66666-1-Ig	Numéro d'acquisition GenBank: BC012089	Méthode de purification: Purification par protéine A
Taille: 150ul , Concentration: 2000 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 8842	CloneNo.: 2B8A2
Hôte: Mouse	Nom complet: prominin 1	Dilutions recommandées: WB 1:2000-1:10000 IHC 1:500-1:2000
Isotype: IgG1	MW calculé: 97 kDa	
Immunogen Catalog Number: AG13327	MW observés: 115 kDa, 80-90 kDa	

Applications

Applications testées:

FC, IHC, WB, ELISA

Demandes citées:

ELISA, IF, IHC, WB

Spécificité de l'espèce:

Humain

Espèces citées:

Humain, rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) A défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules HT-29, cellules Caco-2

IHC : tissu rénal humain, tissu de cancer du côlon humain, tissu de cancer du sein humain

Informations générales

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. CD133 is a highly glycosylated protein with an apparent molecular weight of 115-120 kDa. After the treatment of the lysates with glycosidase, CD133 shifted to a protein with an apparent molecular weight of 80-90 kDa (PMID: 23150174; 20068153).

Publications notables

Autrice	Pubmed ID	Journal	Application
Ting Tang	33173989	Mol Med Rep	IF
Chaoqun Liu	34551797	J Exp Clin Cancer Res	WB,IF
Peng Zhang	30326469	Cell Physiol Biochem	WB,IHC

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

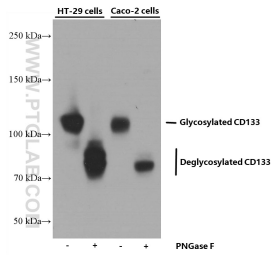
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T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

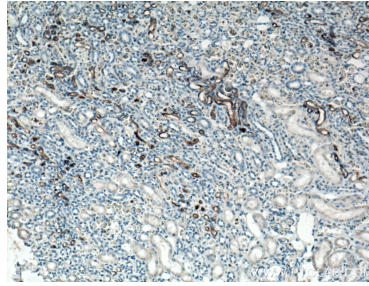
E: proteintech@ptglab.com
W: ptglab.com

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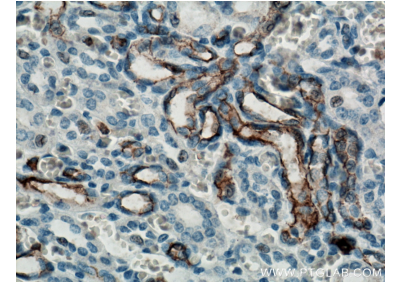
Données de validation sélectionnées



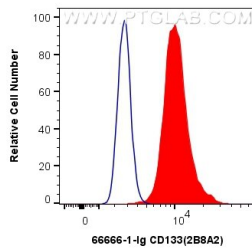
Untreated and PNGase F-treated lysates of HT-29 cells and Caco-2 cells were subjected to SDS PAGE followed by western blot with 66666-1-Ig (CD133 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. PNGase F was obtained from Atagenix (cat.NO. ata808).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 66666-1-Ig (CD133 antibody) at dilution of 1:1000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 66666-1-Ig (CD133 antibody) at dilution of 1:1000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10⁶ HT-29 cells were intracellularly stained with 0.4 ug Anti-Human CD133 (66666-1-Ig, Clone:2B8A2) (red), or 0.4 ug Mouse IgG1 Isotype Control (MOPC-21) (65124-1-Ig, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).