Nur für Forschungszwecke

CD133 Monoklonaler Antikörper

Katalog-Nr.:66666-1-Ig 38 Publikationen

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Antibodies | ELISA kits | Proteins
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Allgemeine Informationen

Katalog-Nr.:
66666-1-Ig

Größe:
150ul , Konzentration: 2000 μg/ml von Nanodrop und 1000 μg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:
Maus

Isotyp:
IgG1

Immunogen Katalognummer:
AG13327

GenBank-Zugangsnummer:
BC012089

GeneID (NCBI):
8842

Vollständiger Name:
prominin 1

Berechneté Masse:
97 kDa

Beobachteté Masse:
115 kDa, 80-90 kDa

Reinigungsmethode:
Protein-G-Reinigung

CloneNo.:
2B8A2

Empfohlene Verdünnungen:
WB 1:2000-1:10000
IHC 1:500-1:2000

Anwendungen

Geprüfte Anwendungen:
FC, IHC, WB,ELISA

In Publikationen genannte Anwendungen:
ELISA, IF, IHC, WB

Getestete Reaktivität:
Human

Zitierte Arten:
Human, Maus, Ratte

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : HT-29-Zellen, Caco-2-Zellen

IHC : humanes Nierengewebe, humanes Kolonkarzinomgewebe, humanes Mammakarzinomgewebe

Hintergrundinformationen

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).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
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

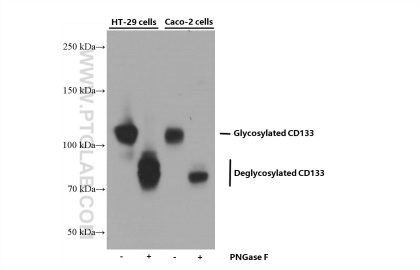
Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C lagerung

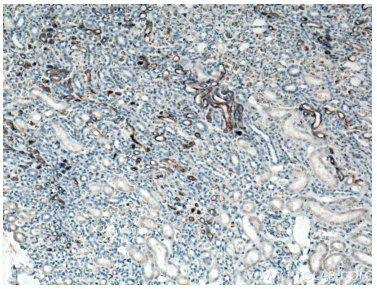
*** 20ul-Größen enthalten 0.1% BSA

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
W: ptglab.com

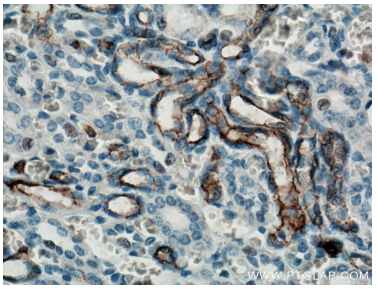
Ausgewählte Validierungsdaten



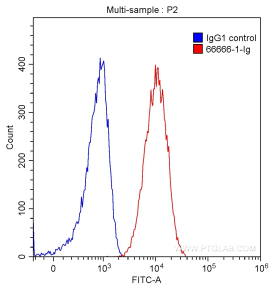
Untreated and PNGase F-treated lysates of HT-29 cells and Caco-2 cells were subjected to SDS PAGE followed by western blot with 66666-1-Ig (CD133 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. PNGase F was obtained from Atagenix (cat.NO. ata808).



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).



1X10^6 HT-29 cells were stained with 0.20 ug Anti-Human CD133 (66666-1-Ig, Clone:2B8A2) (red) or 0.20 ug isotype control antibody (blue) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) with dilution 1:1000. Cells were fixed with 90% MeOH.