

Nur für Forschungszwecke

# CD133-1,2,4,7 Polyklonaler Antikörper

Katalog-Nr.:19945-1-AP



## Allgemeine Informationen

**Katalog-Nr.:**  
19945-1-AP

**Größe:**  
150ul , Konzentration: 300 µg/ml von  
Nanodrop und 167 µg/ml durch die  
Bradford-Methode mit BSA als  
Standard;

**Wirt:**  
Kaninchen

**Isotyp:**  
IgG

**GenBank-Zugangsnummer:**  
NM\_001145851

**GeneID (NCBI):**  
8842

**Vollständiger Name:**  
prominin 1

**Berechnete Masse:**  
97 kDa

**Beobachtete Masse:**  
115 kDa

**Reinigungsmethode:**  
Antigen-Affinitätsreinigung

**Empfohlene Verdünnungen:**  
WB 1:200-1:1000  
IP 0.5-4.0 ug für IP und 1:200-1:1000  
für WB  
IHC 1:50-1:500

## Anwendungen

**Geprüfte Anwendungen:**  
IHC, IP, WB,ELISA

**Getestete Reaktivität:**  
Human, Maus

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

**Positivkontrollen:**

WB : Y79-Zellen, Mauslungengewebe

IP : Y79-Zellen,

IHC : humanes Gliomgewebe,

## Hintergrundinformationen

CD133, also known as PROM1 (prominin-1) or AC133, belongs to the prominin family. CD133 is a transmembrane glycoprotein with an NH<sub>2</sub>-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. This antibody recognizes transcript variant 1,2,4,7 (UNIPROT has updated the info of isoforms)of CD133.

## 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)

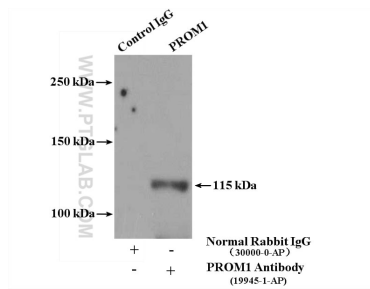
E: proteintech@ptglab.com  
W: ptglab.com

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

## Ausgewählte Validierungsdaten



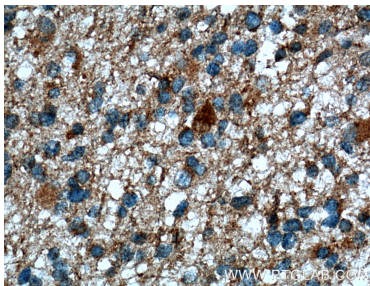
Y79 cells were subjected to SDS PAGE followed by western blot with 19945-1-AP (PROM1-1,2,3,5,7 antibody) at dilution of 1:100 incubated at room temperature for 1.5 hours.



IP Result of anti-CD133-1,2,4,7 (IP:19945-1-AP, 4ug; Detection:19945-1-AP 1:300) with Y79 cells lysate 2000ug.



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 19945-1-AP (CD133-1,2,4,7 antibody at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 19945-1-AP (CD133-1,2,4,7 antibody at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).