

Allgemeine Informationen

Katalog-Nr.:

18177-1-AP

Größe:

150ul, Konzentration: 350 µg/ml von Nanodrop und 280 µg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:

Kaninchen

Isotyp:

IgG

Immunogen Katalognummer:

AG12870

GenBank-Zugangsnummer:

BC104831

GeneID (NCBI):

220296

Vollständiger Name:

hepatocyte cell adhesion molecule

Berechnete Masse:

416 aa, 46 kDa

Beobachtete Masse:

46-72 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:500-1:1000
 IP 0.5-4.0 µg für IP und 1:500-1:1000 für WB
 IHC 1:20-1:200
 IF 1:10-1:100

Anwendungen

Geprüfte Anwendungen:

IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

IF, IHC, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus, Ratte

Positivkontrollen:

WB: Mauslebergewebe, HepG2-Zellen, Mauslebergewebe, MCF-7-Zellen, Rattenhirngewebe, SH-SY5Y-Zellen

IP: Rattenhirngewebe,

IHC: humanes Lebergewebe,

IF: MCF-7-Zellen,

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

Hintergrundinformationen

HepaCAM (hepatocyte cell adhesion molecule), also known as GlialCAM, is a single-pass type I membrane glycoprotein of 416 amino acids. It displays a typical structure of immunoglobulin (Ig)-like adhesion molecules including two extracellular Ig-like domains, a transmembrane segment, and a cytoplasmic tail. It has been shown that hepaCAM forms a cis-homodimer on the cell surface, and modulates cell-matrix interaction. It is predominantly expressed in the CNS glial cells. Defects in HEPACAM gene are the cause of megalencephalic leukoencephalopathy with subcortical cysts type 2A (MLC2A). HEPACAM has also been suggested as a tumor suppressor gene.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Ting Li	33024272	Br J Cancer	IHC
Jia Tao	24324362	Int J Med Sci	WB, IF
Long Zhang	23652371	Mol Med Rep	WB

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

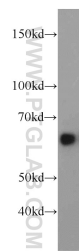
For technical support and original validation data for this product please contact:

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

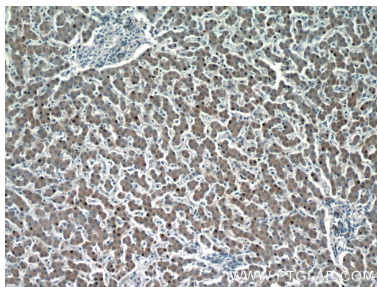
E: proteintech@ptglab.com
 W: ptglab.com

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

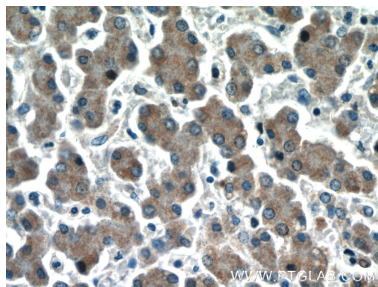
Ausgewählte Validierungsdaten



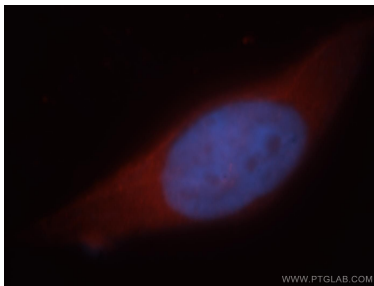
mouse brain tissue were subjected to SDS PAGE followed by western blot with 18177-1-AP (HEPACAM antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



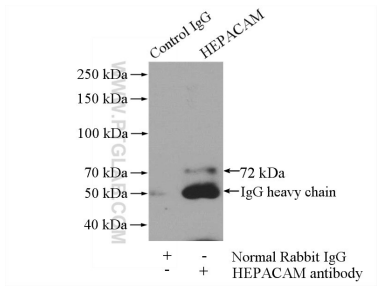
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 18177-1-AP (HEPACAM Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 18177-1-AP (HEPACAM Antibody) at dilution of 1:50 (under 40x lens).



mmunofluorescent analysis of MCF-7 cells, using HEPACAM antibody 18177-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).Blue pseudocolor = DAPI (fluorescent DNA dye).



IP Result of anti-HEPACAM (IP:18177-1-AP, 4ug; Detection:18177-1-AP 1:500) with rat brain tissue lysate 4000ug.