For Research Use Only

HEPACAM Polyclonal antibody, PBS Only

Catalog Number:18177-1-PBS

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
18177-1-PBS

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG12870

GenBank Accession Number:
BC104831

GeneID (NCBI):
220296

UNIPROT ID:
Q14CZ8

Full Name:
hepatocyte cell adhesion molecule

Calculated MW:
416 aa, 46 kDa

Observed MW:
46-72 kDa

Purification Method:
Antigen affinity purification

Applications

Tested Applications:
WB, IHC, IF/ICC, IP, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

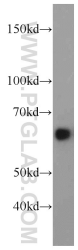
HepaCAM (hepatocyte cell adhesion molecule), also known as GlialCAM, is a single-pass type I membrane glycoprotein of 416 amino acids. It displays a typical structure of immunoglobulin (Ig)-like adhesion molecules including two extracellular Ig-like domains, a transmembrane segment, and a cytoplasmic 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.

Storage

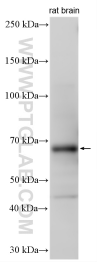
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

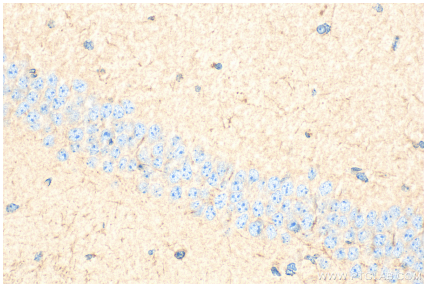
Selected Validation Data



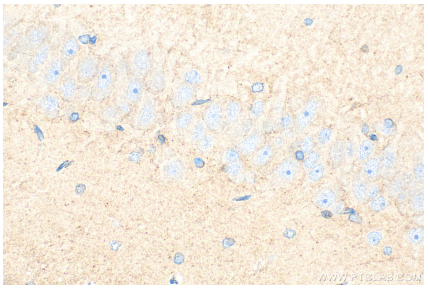
mouse brain tissue were subjected to SDS PAGE followed by western blot with 18177-1-AP (HEPACAM antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 18177-1-PBS in a different storage buffer formulation.



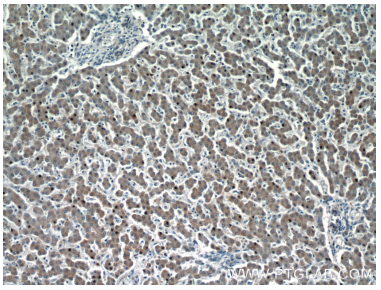
Various lysates were subjected to SDS PAGE followed by western blot with 18177-1-AP (HEPACAM antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 18177-1-PBS in a different storage buffer formulation.



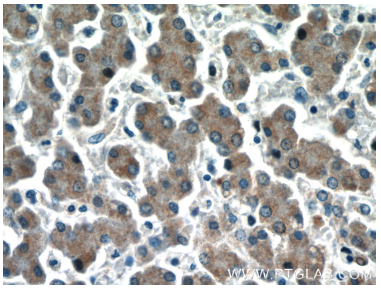
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 18177-1-AP (HEPACAM antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 18177-1-PBS in a different storage buffer formulation.



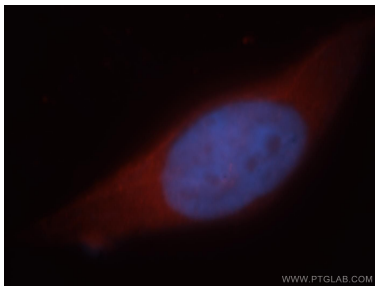
Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 18177-1-AP (HEPACAM antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 18177-1-PBS in a different storage buffer formulation.



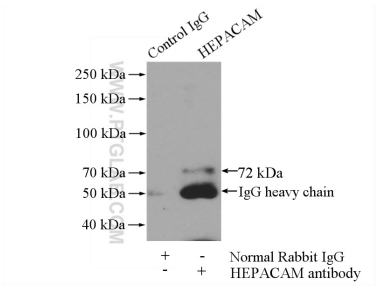
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 18177-1-AP (HEPACAM Antibody) at dilution of 1:50 (under 10x lens). This data was developed using the same antibody clone with 18177-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 18177-1-AP (HEPACAM Antibody) at dilution of 1:50 (under 40x lens). This data was developed using the same antibody clone with 18177-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 18177-1-PBS in a different storage buffer formulation.



IP result of anti-HEPACAM (IP:18177-1-AP, 4ug; Detection:18177-1-AP 1:500) with rat brain tissue lysate 4000ug. This data was developed using the same antibody clone with 18177-1-PBS in a different storage buffer formulation.