10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

HEPACAM Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58328

Specification

HEPACAM Polyclonal Antibody - Product Information

Application	**WB, IHC-P, IHC-F, IF, E**
Primary Accession	Q14CZ8
Reactivity	**Rat, Pig, Dog, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**42 KDa**
Physical State	**Liquid**
Immunogen	**KLH conjugated synthetic peptide derived from human HEPACAM**
Epitope Specificity	**101-200/416**
Isotype	**IgG**

Purity
affinity purified by Protein A

Buffer	**0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.**
SUBCELLULAR LOCATION	**Cytoplasm. Membrane; Single-pass type I membrane protein; Cytoplasmic side. Note=In MCF7 breast carcinoma and hepatic Hep3B and HepG2 cell lines, localization of HEPACAM is cell density-dependent. In well spread cells, localized to punctate structures in the perinuclear membrane, cytoplasm, and at cell surface of protusions. In confluent cells, localized predominantly to the cytoplasmic membrane, particularly in areas of cell-cell contacts. Colocalizes with CDH1.**
SIMILARITY	**Contains 1 Ig-like C2-type (immunoglobulin-like) domain.Contains 1 Ig-like V-type (immunoglobulin-like) domain.**
SUBUNIT	**Homodimer. Dimer formation occurs predominantly through cis interactions on the cell surface.**
Important Note	**This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.**

Background Descriptions
Involved in regulating cell motility and cell-matrix interactions. May inhibit cell growth through suppression of cell proliferation.

HEPACAM Polyclonal Antibody - Additional Information

Gene ID 220296

Other Names
Hepatocyte cell adhesion molecule, Protein hepaCAM, HEPACAM {ECO:0000312|EMBL:AAI13563.1}

Dilution
WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>E~~N/A

Storage
Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ℃.

HEPACAM Polyclonal Antibody - Protein Information

Name HEPACAM {ECO:0000303|PubMed:15885354, ECO:0000312|HGNC:HGNC:26361}

Function
Involved in regulating cell motility and cell-matrix interactions. May inhibit cell growth through suppression of cell proliferation (PubMed:15885354, PubMed:15917256). In glia, associates and targets CLCN2 at astrocytic processes and myelinated fiber tracts where it may regulate transcellular chloride flux involved in neuron excitability (PubMed:22405205).

Cellular Location
Cytoplasm. Cell membrane; Single-pass type I membrane protein; Cytoplasmic side. Note=Colocalizes with CLCN2 at astrocyte end-foot in contact with brain capillaries and other glial cells (By similarity). In MCF-7 breast carcinoma and hepatic Hep 3B2.1-7 and Hep- G2 cell lines, localization of HEPACAM is cell density-dependent. In well spread cells, localized to punctate structures in the perinuclear membrane, cytoplasm, and at cell surface of protusions. In confluent cells, localized predominantly to the cytoplasmic membrane, particularly in areas of cell-cell contacts. Colocalizes with CDH1 {ECO:0000250|UniProtKB:Q640R3}

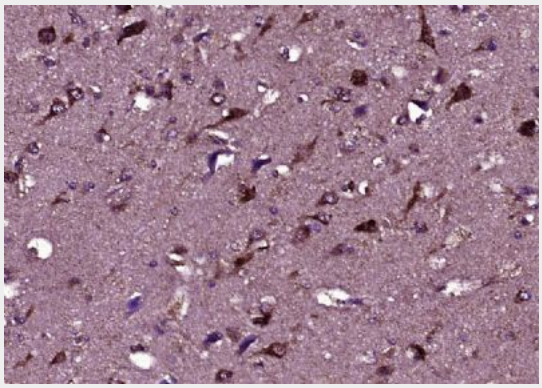
HEPACAM Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

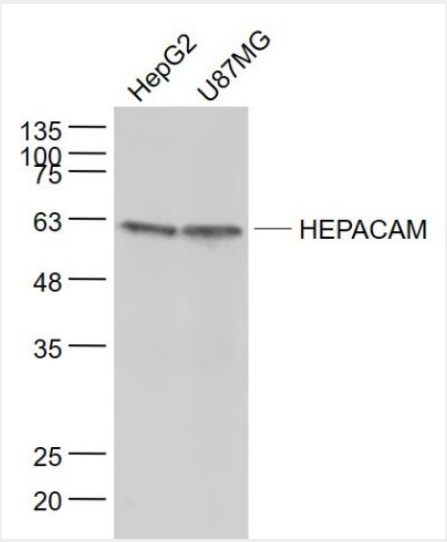
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HEPACAM Polyclonal Antibody - Images

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



Paraformaldehyde-fixed, paraffin embedded (Human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (HEPACAM) Polyclonal Antibody, Unconjugated (bs-5840R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Sample:
HepG2(Human) Cell Lysate at 30 ug
U87MG(Human) Cell Lysate at 30 ug
Primary: Anti- HEPACAM (bs-5840R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 42 kD
Observed band size: 62 kD