

Rabbit HEPACAM Polyclonal Antibody | anti-HEPACAM antibody

HEPACAM Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322902	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

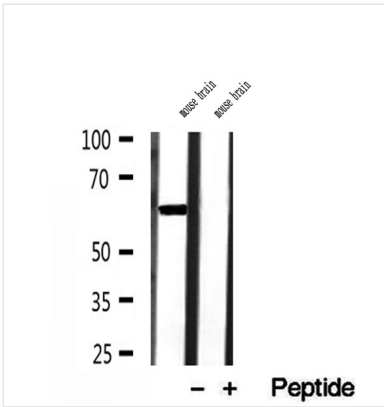
PRODUCT SYNONYMS

HEPACAM; Polyclonal Antibody; HEPACAM Antibody; FLJ25530; GlialCAM; HECAM_HUMAN; Hepatocyte cell adhesion molecule; Protein hepaCAM; anti-HEPACAM antibody

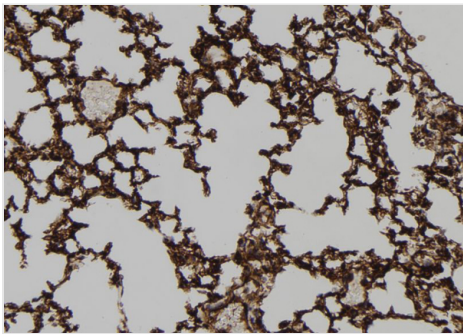
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	HEPACAM antibody detects endogenous levels of HEPACAM.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	416
Applicable Applications for anti-HEPACAM antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human HEPACAM.
Subcellular Location	Cytoplasm. Membrane. 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.
Tissue Specificity	Down-regulated in 20 out of 23 of hepatocellular carcinoma (HCC) samples and is undetectable in 5 HCC cell lines tested.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Zebrafish (80%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts of mouse brain tissue, using HEPACAM antibody.



IHC (Immunohistochemistry)
AAA322902 at 1/100 staining Mouse lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-HEPACAM antibody	Function: Involved in regulating cell motility and cell-matrix interactions. May inhibit cell growth through suppression of cell proliferation. Subunit Structure: Homodimer. Dimer formation occurs predominantly through cis interactions on the cell surface. Part of a complex containing MLC1, TRPV4, AQP4 and ATP1B1. Post-translational Modifications: N-glycosylated. Similarity: The cytoplasmic domain plays an important role in regulation of cell-matrix adhesion and cell motility.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	121674801
NCBI GeneID	220296
NCBI Accession #	NP_689935.2
NCBI GenBank Nucleotide #	NM_152722.4
UniProt Accession #	Q14CZ8; Q67IP8; Q6ZWL4; Q8N7I3; Q8ND35
Molecular Weight	Observed: 46-72 kDa Predicted: 47 kDa
NCBI Official Full Name	hepatocyte cell adhesion molecule
NCBI Official Synonym Full Names	hepatic and glial cell adhesion molecule
NCBI Official Symbol	HEPACAM
NCBI Official Synonym Symbols	HEPN1; MLC2A; MLC2B; GlialCAM
NCBI Protein Information	hepatocyte cell adhesion molecule
UniProt Protein Name	Hepatocyte cell adhesion molecule
UniProt Gene Name	HEPACAM
UniProt Synonym Gene Names	Protein hepaCAM

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.