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Anti-Hepassocin Antibody

Catalog # AP61034

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q08830
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36379

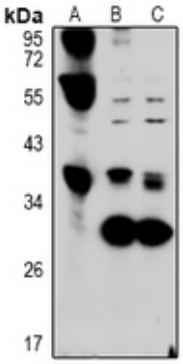
Additional Information

Gene ID	2267
Other Names	HFREP1; Fibrinogen-like protein 1; HP-041; Hepassocin; Hepatocyte-derived fibrinogen-related protein 1; HFREP-1; Liver fibrinogen-related protein 1; LFIRE-1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Hepassocin. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/50 - 1/100) IHC~~WB (1/500 - 1/1000), IHC (1/50 - 1/100) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

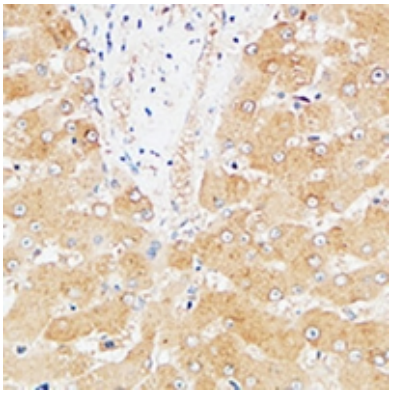
Protein Information

Name	FGL1 {ECO:0000303|PubMed:18039467, ECO:0000312|HGNC:HGNC:3695}
Function	Immune suppressive molecule that inhibits antigen-specific T- cell activation by acting as a ligand of LAG3 (PubMed:30580966, PubMed:35761082, PubMed:40101708). LAG3-binding initiates a signaling that inhibits the T-cell receptor (TCR) in the immunological synapse, preventing T-cell activation (PubMed:30580966). Binds LAG3 independently from MHC class II (MHC-II) (PubMed:30580966, PubMed:35761082). Secreted by, and promotes growth of, hepatocytes (PubMed:11470158, PubMed:19880967).
Cellular Location	Secreted. Note=Secreted in the blood plasma
Tissue Location	Under normal conditions, liver-specific.

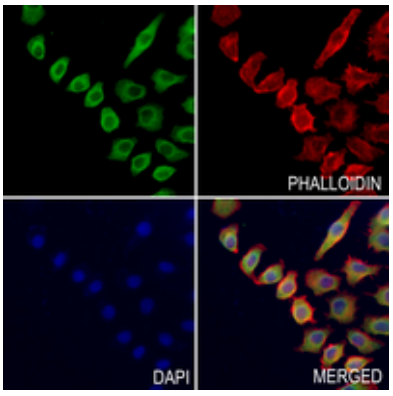
Images



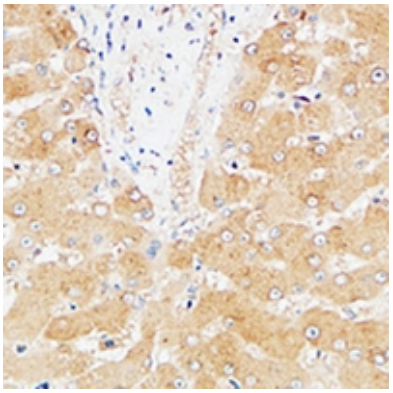
Western blot analysis of Hepassocin expression in rat liver (A), LO2 (B), A549 (C) whole cell lysates. (Predicted band size: 36 kD; Observed band size: 36 kD)



Immunohistochemical analysis of Hepassocin staining in human liver formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of Hepassocin staining in SGC7901 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



Immunohistochemical analysis of Hepassocin staining in human liver formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.