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FGL1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12647b

Product Information

Application	IHC-P, WB, E
Primary Accession	Q08830
Other Accession	NP_671736.2, NP_963847.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB19507
Calculated MW	36379
Antigen Region	218-247

Additional Information

Gene ID	2267
Other Names	Fibrinogen-like protein 1, HP-041, Hepassocin, Hepatocyte-derived fibrinogen-related protein 1, HFREP-1, Liver fibrinogen-related protein 1, LFIRE-1, FGL1, HFREP1
Target/Specificity	This FGL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 218-247 amino acids from the C-terminal region of human FGL1.
Dilution	IHC-P~~1:100~500 WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	FGL1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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.

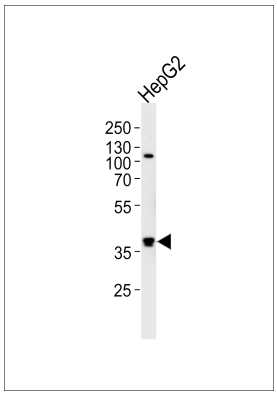
Background

Fibrinogen-like 1 is a member of the fibrinogen family. This protein is homologous to the carboxy terminus of the fibrinogen beta- and gamma- subunits which contains the four conserved cysteines of fibrinogens and fibrinogen related proteins. However, this protein lacks the platelet-binding site, cross-linking region and a thrombin-sensitive site which are necessary for fibrin clot formation. This protein may play a role in the development of hepatocellular carcinomas. Four alternatively spliced transcript variants encoding the same protein exist for this gene.

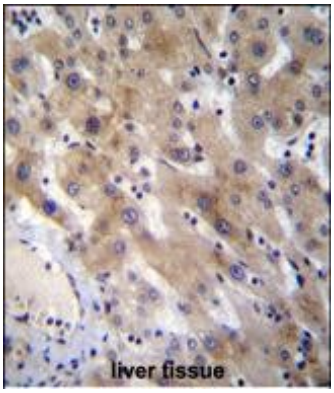
References

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Segat, L., et al. J. Gastroenterol. Hepatol. 24(12):1840-1846(2009)
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)
Yu, H.T., et al. J. Biol. Chem. 284(20):13335-13347(2009)

Images



Western blot analysis of lysate from HepG2 cell line, using FGL1 Antibody (C-term)(Cat. #AP12647b). AP12647b was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.



FGL1 Antibody (C-term) (Cat. #AP12647b)immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of FGL1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

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