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FGL1 antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22451a

Product Information

Application	WB, E
Primary Accession	Q08830
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit Ig
Clone Names	R03111
Calculated MW	36379

Additional Information

Gene ID	2267
Other Names	Fibrinogen-like protein 1, HP-041, Hepassocin, HPS, Hepatocyte-derived fibrinogen-related protein 1, HFREP-1, Liver fibrinogen-related protein 1 {ECO:0000303|Ref.3}, LFIRE-1 {ECO:0000303|Ref.3}, FGL1 {ECO:0000303|PubMed:18039467, ECO:0000312|HGNC:HGNC:3695}
Target/Specificity	This antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between amino acids from human.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. 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 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.

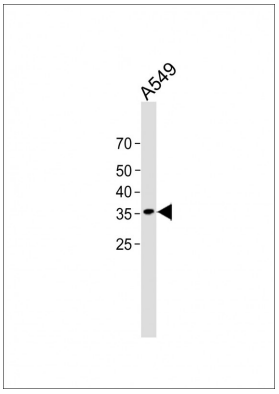
Background

Immune suppressive molecule that inhibits antigen-specific T- cell activation by acting as a major ligand of LAG3 (PubMed:30580966). Responsible for LAG3 T-cell inhibitory function (PubMed:30580966). Binds LAG3 independently from MHC class II (MHC-II) (PubMed:30580966). Secreted by, and promotes growth of, hepatocytes (PubMed:11470158, PubMed:19880967).

References

Yamamoto T.,et al.Biochem. Biophys. Res. Commun. 193:681-687(1993).
Hara H.,et al.Biochim. Biophys. Acta 1520:45-53(2001).
Yan J.,et al.Submitted (JUL-1999) to the EMBL/GenBank/DDBJ databases.
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).

Images



All lanes: Anti-FGL1 antibody at 1:500 dilution + A549 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 36 KDa Blocking/Dilution buffer: 5% NFDM/TBST.

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