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ITIH4 Antibody (C-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22075b

Product Information

Application	WB, FC, IF, E
Primary Accession	Q14624
Reactivity	Human
Predicted	Bovine, Canine
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB55411
Calculated MW	103357

Additional Information

Gene ID	3700
Other Names	Inter-alpha-trypsin inhibitor heavy chain H4, ITI heavy chain H4, ITI-HC4, Inter-alpha-inhibitor heavy chain 4, Inter-alpha-trypsin inhibitor family heavy chain-related protein, IHRP, Plasma kallikrein sensitive glycoprotein 120, Gp120, PK-120, 70 kDa inter-alpha-trypsin inhibitor heavy chain H4, 35 kDa inter-alpha-trypsin inhibitor heavy chain H4, ITIH4, IHRP, ITIHL1, PK120
Target/Specificity	This ITIH4 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 784-816 amino acids from human ITIH4.
Dilution	WB~~1:2000 FC~~1:25 IF~~1:25 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	ITIH4 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ITIH4
Synonyms	IHRP, ITIHL1, PK120

Function	Type II acute-phase protein (APP) involved in inflammatory responses to trauma. May also play a role in liver development or regeneration.
Cellular Location	Secreted.
Tissue Location	Liver specific.

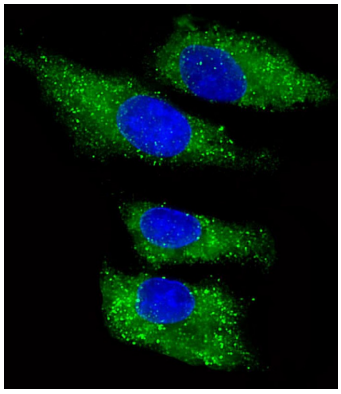
Background

Type II acute-phase protein (APP) involved in inflammatory responses to trauma. May also play a role in liver development or regeneration.

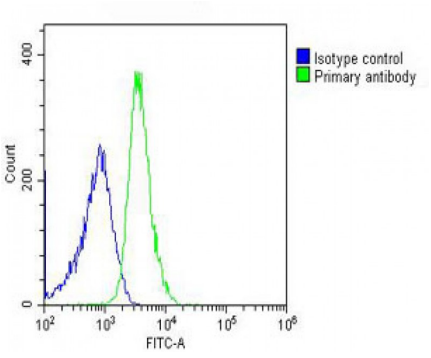
References

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Images

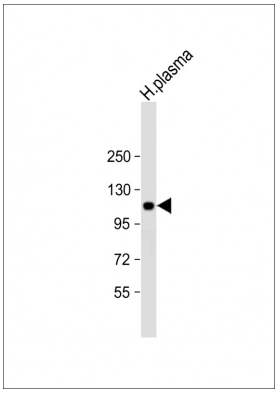


Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HepG2 (human liver hepatocellular carcinoma cell line) cells labeling ITIH4 with AP22075b at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-rabbit IgG (NK179883) secondary antibody at 1/200 dilution (green). Immunofluorescence image showing cytoplasm staining on HepG2 cell line. The nuclear counter stain is DAPI (blue).



Overlay histogram showing U-2OS cells stained with AP22075b (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP22075b, 1:25 dilution) for 60 min at 37ºC. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(OH191631) at 1/200 dilution for 40 min at 37ºC. Isotype control antibody (blue line) was rabbit IgG (1µg/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.

Anti-ITIH4 Antibody (C-Term) at 1:2000 dilution + human plasma lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 103 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



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