

ITIH4 Antibody (C-Term)
 Purified Rabbit Polyclonal Antibody (Pab)
 Catalog # AP22075b-200 □

Specification

ITIH4 Antibody (C-Term) - Product info

Application	WB, FC, IF
Primary Accession	Q14624
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit Ig
Clone Names	RB55411
Calculated MW	103357

ITIH4 Antibody (C-Term) - Additional info

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

IF~~1:25
 FC~~1:25
 WB~~1:2000

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.

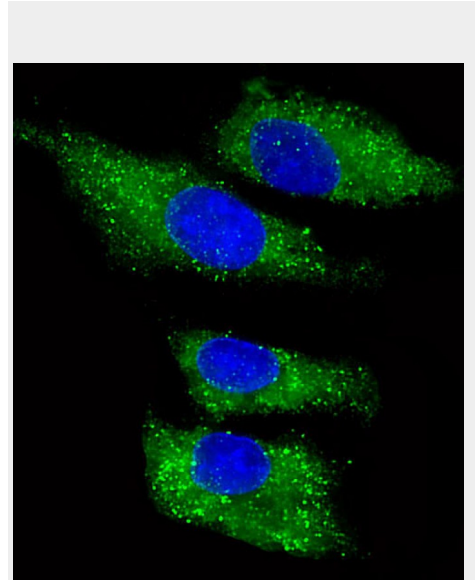
Precautions

ITIH4 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

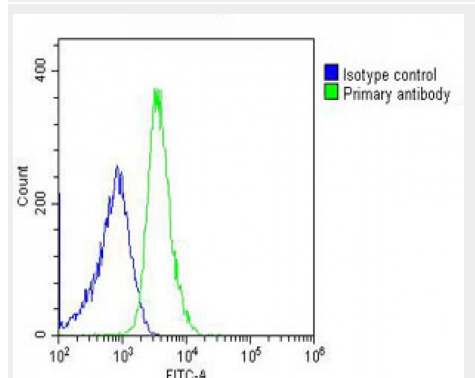
ITIH4 Antibody (C-Term) - Protein Information

Name ITIH4

Synonyms IHRP, ITIHL1, PK120



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 incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP22075b, 1:25).

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.

ITIH4 Antibody (C-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [□ Western Blot](#)
- [□ Blocking Peptides](#)
- [□ Dot Blot](#)
- [□ Immunohistochemistry](#)
- [□ Immunofluorescence](#)
- [□ Immunoprecipitation](#)
- [□ Flow Cytometry](#)
- [□ Cell Culture](#)

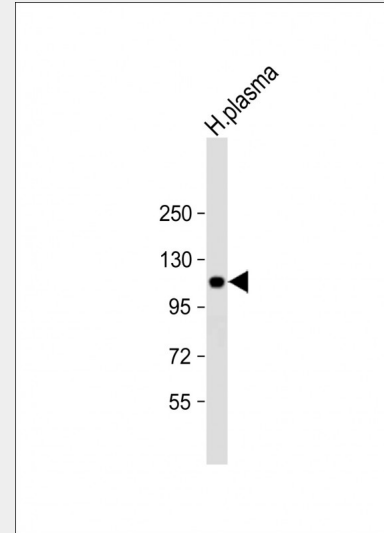
ITIH4 Antibody (C-Term) - Background

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

ITIH4 Antibody (C-Term) - References

Nishimura H., et al. FEBS Lett. 357:207-211(1995). Saguchi K., et al. J. Biochem. 117:14-18(1995). Saguchi K., et al. J. Biochem. 119:898-905(1996). Ota T., et al. Nat. Genet. 36:40-45(2004). Kroczyńska B., et al. Biochem. Biophys. Res. Commun. 338:1467-1477(2005).

dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(OH191631) at 1/200 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG (1 µg/1x10⁶ 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% NFDN/TBST.