

# ITIH4 Antibody (C-Term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP22075b

## Product Information

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<b>Application</b>	WB, FC, IF, E
<b>Primary Accession</b>	<a href="#">Q14624</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB55411
<b>Calculated MW</b>	103357

## Additional Information

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<b>Gene ID</b>	3700
<b>Other Names</b>	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
<b>Target/Specificity</b>	This ITIH4 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 784-816 amino acids from human ITIH4.
<b>Dilution</b>	WB~~1:2000 FC~~1:25 IF~~1:25 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	ITIH4 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	ITIH4
<b>Synonyms</b>	IHRP, ITIHL1, PK120

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

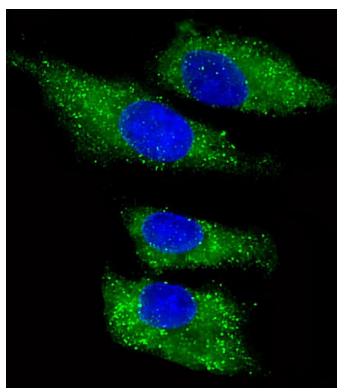
## Background

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

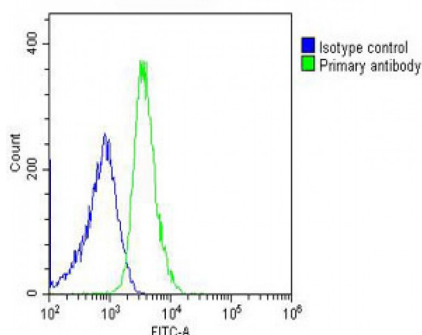
## References

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

## Images

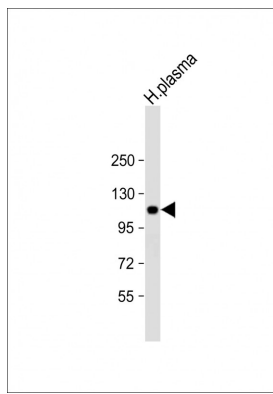


Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HepG2 (human liver hepatocellular carcinoma cell line) cells labeling ITIH4 with AP22075b at 1/25 dilution, followed by DyLight® 488-conjugated goat anti-rabbit IgG (NK179883) secondary antibody at 1/200 dilution (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 incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP22075b, 1:25 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/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >10, 000 events was performed.

Anti-ITIH4 Antibody (C-Term) at 1:2000 dilution + human plasma lysates/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'.