

Rabbit ITIH1 Polyclonal Antibody | anti-ITIH1 antibody

ITIH1 Antibody

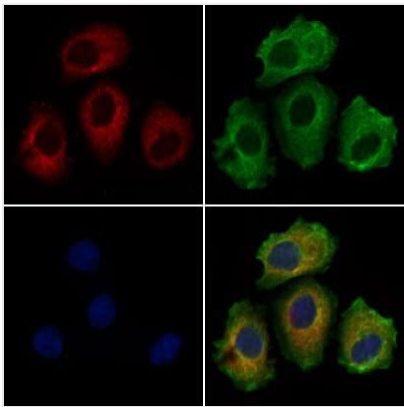
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329187	Rabbit	Human, Monkey	ELISA

PRODUCT SYNONYMS

ITIH1; Polyclonal Antibody; ITIH1 Antibody; H1P; IATIH; IGHEP1; Inter alpha (globulin) inhibitor H1; Inter alpha (globulin) inhibitor H1 polypeptide; Inter alpha trypsin inhibitor heavy chain 1; Inter alpha trypsin inhibitor heavy chain H1; Inter-alpha-inhibitor heavy chain 1; Inter-alpha-trypsin inhibitor complex component III; Inter-alpha-trypsin inhibitor heavy chain H1; ITI heavy chain H1; ITI-HC1; ITIH; ITIH1_HUMAN; Serum-derived hyaluronan-associated protein; SHAP; anti-ITIH1 antibody

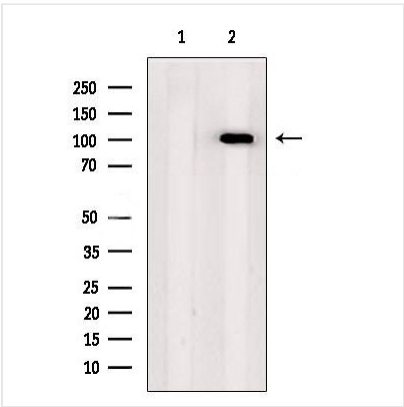
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Monkey
Clonality	Polyclonal
Isotype	IgG
Specificity	ITIH1 Antibody detects endogenous levels of total ITIH1.
Purity/Purification	Peptide affinity purification
Form/Format	Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	769
Applicable Applications for anti-ITIH1 antibody	ELISA
Immunogen	A synthesized peptide derived from human ITIH1, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



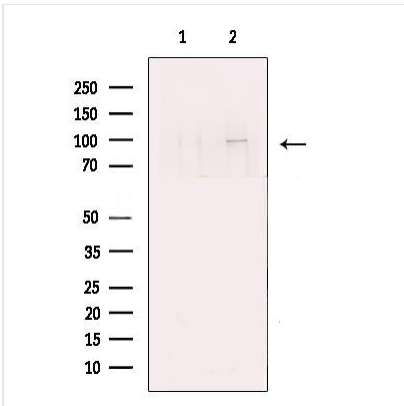
IF (Immunofluorescence)

AAA329187 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25Å°C. Samples were then incubated with primary Ab(AAA329187 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37Å°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



WB (Western Blot)

Western blot analysis of extracts from COS, using ITIH1 Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)

Western blot analysis of extracts from Human LIVER, using ITIH1 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-ITIH1 antibody

Function: May act as a carrier of hyaluronan in serum or as a binding protein between hyaluronan and other matrix protein, including those on cell surfaces in tissues to regulate the localization, synthesis and degradation of hyaluronan which are essential to cells undergoing biological processes. Contains a potential peptide which could stimulate a broad spectrum of phagocytotic cells.

Post Translational Modifications: Heavy chains are linked to bikunin via chondroitin 4-sulfate esterified to the alpha-carboxyl of the C-terminal aspartate after propeptide cleavage. The S-linked glycan is composed of two 6-carbon sugars, possibly Glc or Gal.

Subcellular Location: Secreted.

Subunit Structure: I-alpha-I plasma protease inhibitors are assembled from one or two heavy chains (H1, H2 or H3) and one light chain, bikunin. Inter-alpha-inhibitor (I-alpha-I) is composed of H1, H2 and bikunin, inter-alpha-like inhibitor (I-alpha-LI) of H2 and bikunin, and pre-alpha-inhibitor (P-alpha-I) of H3 and bikunin.

Similarity: Belongs to the ITIH family.

NCBI AND UNIPROT INFORMATION

NCBI GI # 261878614

NCBI GeneID	3697
NCBI Accession #	NP_001159906.1
NCBI GenBank Nucleotide #	NP_001159906.1
UniProt Accession #	P19827
Molecular Weight	Observed Molecular Weight: (Observed)101kD. Predicted Molecular Weight: (Calculated)101kDa.
NCBI Official Full Name	inter-alpha-trypsin inhibitor heavy chain H1 isoform b
NCBI Official Synonym Full Names	inter-alpha-trypsin inhibitor heavy chain 1
NCBI Official Symbol	ITIH1
NCBI Official Synonym Symbols	H1P; ITIH; SHAP; IATIH; IGHEP1; ITI-HC1
NCBI Protein Information	inter-alpha-trypsin inhibitor heavy chain H1
UniProt Protein Name	Inter-alpha-trypsin inhibitor heavy chain H1
UniProt Gene Name	ITIH1
UniProt Synonym Gene Names	IGHEP1; ITI heavy chain H1; ITI-HC1; Inter-alpha-inhibitor heavy chain 1; SHAP
UniProt Entry Name	ITIH1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/itih1-antibody-elisa/329187>