

Rabbit THRB Polyclonal Antibody | anti-THRB antibody

THRB Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320988	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

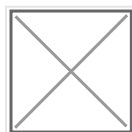
PRODUCT SYNONYMS

THRB; Polyclonal Antibody; THRB Antibody; coagulation factor II (thrombin); Coagulation factor II; F2; Factor II; Prepro coagulation factor II; Prothrombin; prothrombin B-chain; PT; RPRGL2; serine protease; THPH1; THRB_HUMAN; Thrombin heavy chain; anti-THRB antibody

PRODUCT SPECIFICATIONS

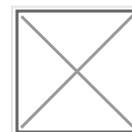
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	THRB antibody detects endogenous levels of total THRB
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	622
Applicable Applications for anti-THRB antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human THRB
Subcellular Location	Secreted, Extracellular Space.
Tissue Specificity	Expressed by the liver and secreted in plasma.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Dog
Similarity	Pig (100%), Zebrafish (82%), Bovine (82%), Horse (82%), Sheep (82%), Dog (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA320988 staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



IHC (Immunohistochemistry)

AAA320988 at 1/100 staining human liver tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)

AAA320988 staining NIH-3T3 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis on NIH-3T3 cell lysate using THRB Antibody, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-THRB antibody

Description: prothrombin Thrombin, which cleaves bonds after Arg and Lys, converts fibrinogen to fibrin and activates factors V, VII, VIII, XIII, and, in complex with thrombomodulin, protein C. Functions in blood homeostasis, inflammation and wound healing. Belongs to the peptidase S1 family.

Function: Thrombin, which cleaves bonds after Arg and Lys, converts fibrinogen to fibrin and activates factors V, VII, VIII, XIII, and, in complex with thrombomodulin, protein C. Functions in blood homeostasis, inflammation and wound healing.

Subunit Structure: Heterodimer (named alpha-thrombin) of a light and a heavy chain; disulfide-linked. Forms a heterodimer with SERPINA5.

Post-translational Modifications: The gamma-carboxyglutamyl residues, which bind calcium ions, result from the carboxylation of glutamyl residues by a microsomal enzyme, the vitamin K-dependent carboxylase. The modified residues are necessary for the calcium-dependent interaction with a negatively charged phospholipid surface, which is essential for the conversion of prothrombin to thrombin. N-glycosylated. N-glycan heterogeneity at Asn-121: Hex3HexNAc3 (minor), Hex4HexNAc3 (minor) and Hex5HexNAc4 (major). At Asn-143: Hex4HexNAc3 (minor) and Hex5HexNAc4 (major).

Similarity: Belongs to the peptidase S1 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503635
NCBI GeneID	2147
NCBI Accession #	NP_000497.1
NCBI GenBank Nucleotide #	NM_000506.4
UniProt Accession #	P00734; Q4QZ40; Q53H04; Q53H06; Q69EZ7; Q7Z7P3; Q9UCA1; B2R7F7; B4E1A7
Molecular Weight	Observed: 70 kDa Predicted: 71 kDa
NCBI Official Full Name	prothrombin isoform 1 preproprotein
NCBI Official Synonym Full Names	coagulation factor II, thrombin
NCBI Official Symbol	F2
NCBI Official Synonym Symbols	PT; THPH1; RPRGL2
NCBI Protein Information	prothrombin
UniProt Protein Name	Prothrombin
UniProt Gene Name	F2

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/thrb-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/320988>