

Rabbit TPT1 Polyclonal Antibody | anti-TPT1 antibody

TPT1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327044	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

TPT1; Polyclonal Antibody; TPT1 Antibody; FLJ27337; Fortilin; Histamine releasing factor; Histamine-releasing factor; HRF; Immunoglobulin E-dependent; p02; p23; TCTP; TCTP_HUMAN; tpt1; Translationally controlled tumor protein; Translationally-controlled tumor protein; Tumor protein translationally controlled 1; tumor protein; translationally-controlled 1; anti-TPT1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	TPT1 antibody detects endogenous levels of total TPT1
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	138
Applicable Applications for anti-TPT1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human TPT1
Subcellular Location	Cytoplasm.
Tissue Specificity	Found in several healthy and tumoral cells including erythrocytes, hepatocytes, macrophages, platelets, keratinocytes, erythroleukemia cells, gliomas, melanomas, hepatoblastomas, and lymphomas. It cannot be detected in kidney and renal cell carcinoma (RCC). Expressed in placenta and prostate.
Predicted Cross Reactivity	Pig, Bovine, Horse, Rabbit, Dog
Similarity	Pig (100%), Bovine (100%), Horse (100%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of Hela whole cell lysates, using TPT1 Antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA327044 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.



WB (Western Blot)

Western blot analysis of extracts from 293, Hela, mouse brain and rat muscle, using TPT1 Antibody.



IHC (Immunohistochemistry)

AAA327044 at 1/100 staining Rat lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample 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.

ADDITIONAL INFORMATION

Related Product Information for anti-TPT1 antibody	Function: Involved in calcium binding and microtubule stabilization. Subunit Structure: Interacts with STEAP3. Similarity: Belongs to the TCTP family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	555943820
NCBI GeneID	7178
NCBI Accession #	NP_001273202.1
NCBI GenBank Nucleotide #	NM_001286273.1
UniProt Accession #	P13693; Q6YLS2; Q7Z4J4; Q8TBK7; Q96EE2; Q9UC70; B2R7E5
Molecular Weight	Observed: 20 kDa Predicted: 20 kDa
NCBI Official Full Name	translationally-controlled tumor protein isoform 3
NCBI Official Synonym Full Names	tumor protein, translationally-controlled 1
NCBI Official Symbol	TPT1
NCBI Official Synonym Symbols	HRF; p02; p23; TCTP
NCBI Protein Information	translationally-controlled tumor protein
UniProt Protein Name	Translationally-controlled tumor protein
UniProt Gene Name	TPT1
UniProt Synonym Gene Names	TCTP; HRF

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.