

anti-Human TPP1 Polyclonal Antibody | anti-TPP1 antibody

Anti-TPP1 Antibody

CATALOG #	REACTIVITY	APPLICATIONS
AAA46530	Human	Immunohistochemistry, Western Blot

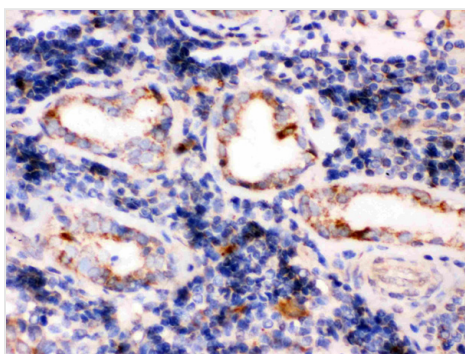
PRODUCT SYNONYMS

TPP1; Polyclonal Antibody; Anti-TPP1 Antibody; Tripeptidyl-peptidase 1; Cell growth inhibiting gene 1 protein; Cell growth-inhibiting gene 1 protein; Ceroid lipofuscinosis neuronal 2; Ceroid lipofuscinosis neuronal 2 late infantile (Jansky Bielschowsky disease); Ceroid lipofuscinosis neuronal 2 late infantile; CLN 2; CLN2; GIG 1; GIG1; Growth inhibiting protein 1; LPIC; Lysosomal pepstatin insensitive protease; Lysosomal pepstatin-insensitive protease; MGC21297; TPP 1; TPP I; TPP-1; TPP-I; Tpp1; TPP1_HUMAN; TPPI; Tripeptidyl aminopeptidase; Tripeptidyl peptidase I; Tripeptidyl-peptidase I; tripeptidyl peptidase I; anti-TPP1 antibody

PRODUCT SPECIFICATIONS

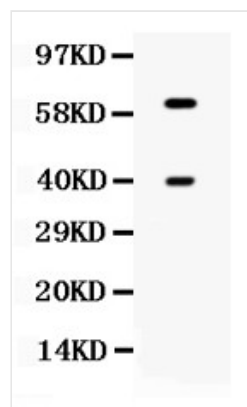
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	563
Applicable Applications for anti-TPP1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human TPP1 (227-261aa CAQFLEQYFHSDLAQFMRLFGGNFAHQASVARVV), different from the related mouse sequence by six amino acids, and from the related rat sequence by five amino acids.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

TPP1 was detected in paraffin-embedded sections of human lung cancer tissues using rabbit anti-TPP1 Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)

Western blot analysis of TPP1 expression in HELA whole cell lysates (lane 1). TPP1 at 61KD, 39KD was detected using rabbit anti-TPP1 Antigen Affinity purified polyclonal antibody at 0.5 ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-TPP1 antibody	Description: Rabbit IgG polyclonal antibody for Tripeptidyl-peptidase 1(TPP1) detection. Tested with WB, IHC-P in Human. Background: Tripeptidyl-peptidase 1, also known as Lysosomal pepstatin-insensitive protease, is an enzyme that in humans is encoded by the TPP1 gene. This gene encodes a member of the sedolisin family of serine proteases. The protease functions in the lysosome to cleave N-terminal tripeptides from substrates, and has weaker endopeptidase activity. It is synthesized as a catalytically-inactive enzyme which is activated and auto-proteolyzed upon acidification. Mutations in this gene result in late-infantile neuronal ceroid lipofuscinosis, which is associated with the failure to degrade specific neuropeptides and a subunit of ATP synthase in the lysosome.
References	1. "Entrez Gene: TPP1 tripeptidyl peptidase I". 2. Liu CG, Sleat DE, Donnelly RJ, Lobel P (Jun 1998). "Structural organization and sequence of CLN2, the defective gene in classical late infantile neuronal ceroid lipofuscinosis". Genomics 50 (2): 206-12.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5729770
NCBI GeneID	1200
NCBI Accession #	NP_000382.3
NCBI GenBank Nucleotide #	NM_000391.3
UniProt Accession #	O14773; Q53HT1; Q5JAK6; Q6UX56; Q71JP6; Q96C37
Molecular Weight	34,464 Da
NCBI Official Full Name	tripeptidyl-peptidase 1 preproprotein
NCBI Official Synonym Full Names	tripeptidyl peptidase 1
NCBI Official Symbol	TPP1
NCBI Official Synonym Symbols	CLN2; GIG1; LPIC; SCAR7; TPP-1
NCBI Protein Information	tripeptidyl-peptidase 1
UniProt Protein Name	Tripeptidyl-peptidase 1
UniProt Gene Name	TPP1
UniProt Synonym Gene Names	CLN2; TPP-1; LPIC; TPP-I
UniProt Entry Name	TPP1_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/tpp1-antibody-immunohistochemistry-western-blot-elisa/46530>