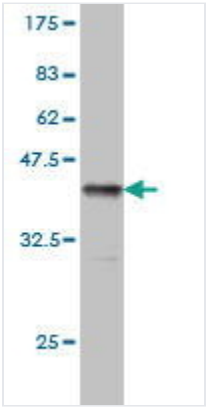
TPP1 Antibody – Mouse Monoclonal

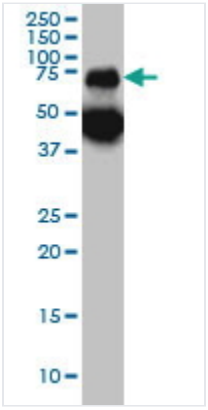
PRODUCT OVERVIEW

Product Name	TPP1, Monoclonal Antibody
Full Product Name	TPP1 (Tripeptidyl-peptidase 1, TPP-1, Cell Growth-inhibiting Gene 1 Protein, Lysosomal Pepstatin-insensitive Protease, LPIC, Tripeptidyl Aminopeptid peptidase I, TPP-I, CLN2, GIG1, UNQ267/PRO304) (FITC)
Product Gene Name	anti-TPP1 antibody
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	3B1
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein isothiocyanate (FITC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human TPP1.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in as Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the ca
Molecular Weight	34,464 Da
Immunogen	Partial recombinant corresponding to aa195-304 from human TPP1 (AAH14863) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	GLHLGVTPSVIRKRYNLTSQDVGSGTSNNSQACAQFLEQYFHDSDLAQFMRLFGGNFAHQASVARVVGQQGRGRAGIEASLDVQYLMSAGANISTWVY
Conjugate	FITC
Product Categories/Family for anti-TPP1 antibody	Antibodies; Proteins
Applications Tested/Suitable for anti-TPP1 antibody	ELISA (EIA), Immunohistochemistry (IHC) Paraffin, Western Blot (WB)
Application Notes for anti-TPP1 antibody	IHC-P: 3ug/ml Applications are based on unconjugated antibody.
Related Product Information for anti-TPP1 antibody	MBS6150191 is an antibody targeting TPP1. Also known as TPP1 (Tripeptidyl-peptidase 1, TPP-1, Cell Growth-inhibiting Gene 1 Protein, Lysosomal P insensitive Protease, LPIC, Tripeptidyl Aminopeptidase, Tripeptidyl-peptidase I, TPP-I, CLN2, GIG1, UNQ267/PRO304) (FITC). Reactive in Human. Ho

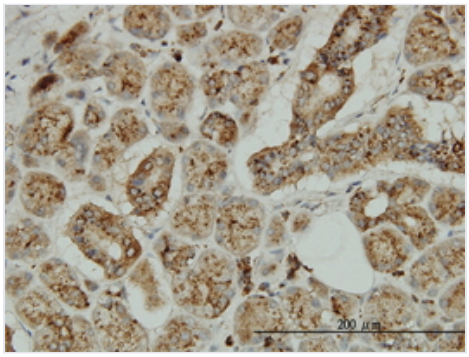
Product References and Citations for anti-TPP1 antibody	1. Altered expression of TPP1 in fibroblast-like synovial cells might be involved in the pathogenesis of rheumatoid arthritis. Qing YF, Zhou JG, Zhao MQ QB, Xing Y, Zeng SP, Jiang H.Rheumatol Int. 2011 Jul 16.
Other Notes	Small volumes of anti-TPP1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessa centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional apply.



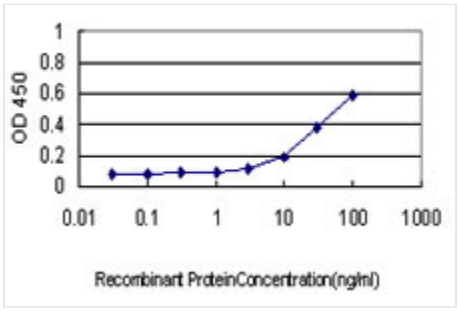
Western Blot (WB) of anti-TPP1 antibody
Western Blot detection against Immunogen (37.84kD)



Western Blot (WB) of anti-TPP1 antibody
TPP1, Western Blot analysis of TPP1 expression in A-431.



Immunohistochemistry (IHC) of anti-TPP1 antibody
Immunoperoxidase of monoclonal antibody to TPP1 on formalin-fixed paraffin-embedded human salivary gland. [antibody concentration 3ug/ml].



Testing Data of anti-TPP1 antibody
Detection limit for recombinant GST tagged TPP1 is ~0.1ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TPP1. It may not necessarily be applicable to this product.

NCBI GI #	15928807
NCBI GeneID	1200
NCBI Accession #	BC014863
NCBI Related Accession #	AAH14863
UniProt Secondary Accession #	Q53HT1; Q5JAK6; Q6UX56; Q71JP6; Q96C37
UniProt Related Accession #	O14773
NCBI Official Full Name	Homo sapiens tripeptidyl peptidase I, mRNA
NCBI Official Synonym Full Names	tripeptidyl peptidase 1
NCBI Official Symbol	TPP1
NCBI Official Synonym Symbols	CLN2; GIG1; LPIC; SCAR7; TPP-1

Protein Family	Polynucleotide 3'-phosphatase
NCBI Protein Information	tripeptidyl-peptidase 1
NCBI Summary for TPP1	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. [provided by RefSeq, Jul 2008]
Research Articles on TPP1	**1.** The conservation between fission yeast Tpz1-Pot1 and human TPP1-POT1 interactions resulted in mapping a human melanoma-associated POT1 mutation (A532P) to the TPP1-POT1 interface.
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