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TPP1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant TPP1.
Catalog # AT4323a

Product Information

Application	WB, IHC, E
Primary Accession	O14773
Other Accession	BC014863
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	3B1
Calculated MW	61248

Additional Information

Gene ID	1200
Other Names	Tripeptidyl-peptidase 1, TPP-1, Cell growth-inhibiting gene 1 protein, Lysosomal pepstatin-insensitive protease, LPIC, Tripeptidyl aminopeptidase, Tripeptidyl-peptidase I, TPP-I, TPP1, CLN2
Target/Specificity	TPP1 (AAH14863, 195 a.a. ~ 304 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	TPP1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

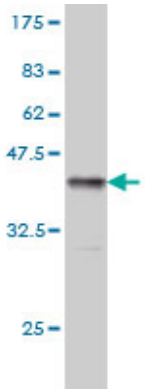
Background

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.

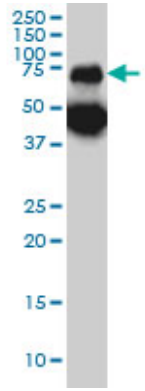
References

1.Altered expression of TPP1 in fibroblast-like synovial cells might be involved in the pathogenesis of rheumatoid arthritis.Qing YF, Zhou JG, Zhao MC, Xie WG, Yang QB, Xing Y, Zeng SP, Jiang H.Rheumatol Int. 2011 Jul 16. [Epub ahead of print]

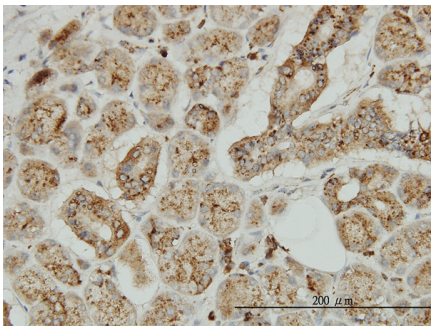
Images



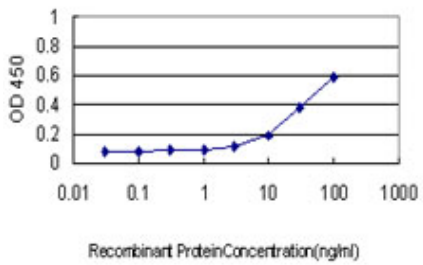
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.84 KDa) .



TPP1 monoclonal antibody (M01), clone 3B1 Western Blot analysis of TPP1 expression in A-431 ((Cat # AT4323a)



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



Detection limit for recombinant GST tagged TPP1 is approximately 0.1ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.