

## TPP1 Antibody (monoclonal) (M01)

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

# **Specification**

## TPP1 Antibody (monoclonal) (M01) - Product Information

**Application** WB, IHC, E **Primary Accession** 014773 BC014863 Other Accession Reactivity Human Host mouse Clonality **Monoclonal** Isotype IgG1 Kappa Calculated MW 61248

## TPP1 Antibody (monoclonal) (M01) - 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.  $\sim$  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.

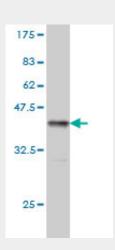
## TPP1 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

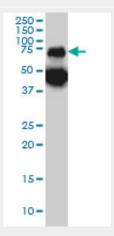


- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# TPP1 Antibody (monoclonal) (M01) - Images

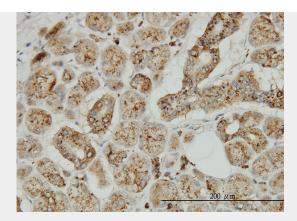


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 KDa) .

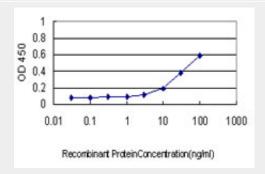


TPP1 monoclonal antibody (M01), clone 3B1 Western Blot analysis of TPP1 expression in A-431 ( (Cat # AT4323a )





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.

## TPP1 Antibody (monoclonal) (M01) - 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.

# TPP1 Antibody (monoclonal) (M01) - 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]