

Datasheet

TPP1 monoclonal antibody (M01), clone 3B1

Catalog Number: H00001200-M01

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a partial recombinant TPP1.

Clone Name: 3B1

Immunogen: TPP1 (AAH14863, 195 a.a. ~ 304 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:

GLHLGVTPSVIRKRYNLTSQDVGSGTSNNSQACAQFL
EQYFHDSDLAQFMRLFGGNFAHQASVARVVGQQGR
GRAGIEASLDVQYLMSAGANISTWVYSSPGRHEGQEP
F

Host: Mouse

Reactivity: Human

Applications: ELISA, IHC-P, S-ELISA, WB-Ce, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Isotype: IgG1 Kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 1200

Gene Symbol: TPP1

Gene Alias: CLN2, GIG1, LPIC, MGC21297

Gene Summary: 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]

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]