

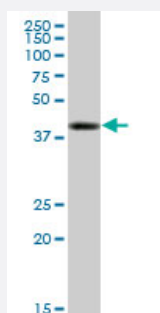
MaxPab®

TPP1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00001200-B01P

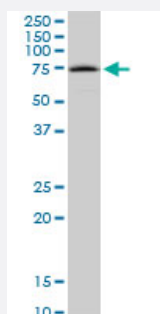
Size 50 ug

Applications



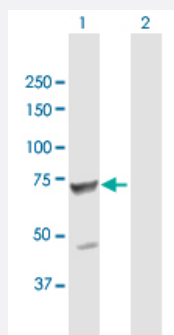
Western Blot (Tissue lysate)

TPP1 MaxPab polyclonal antibody. Western Blot analysis of TPP1 expression in human spleen.



Western Blot (Cell lysate)

TPP1 MaxPab polyclonal antibody. Western Blot analysis of TPP1 expression in Jurkat.

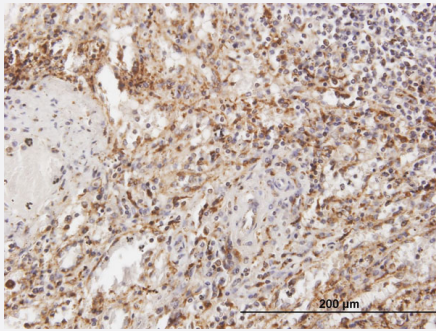


Western Blot (Transfected lysate)

Western Blot analysis of TPP1 expression in transfected 293T cell line ([H00001200-T01](#)) by TPP1 MaxPab polyclonal antibody.

Lane 1: TPP1 transfected lysate(61.93 KDa).

Lane 2: Non-transfected lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of purified MaxPab antibody to TPP1 on formalin-fixed paraffin-embedded human spleen. [antibody concentration 3 ug/ml]

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human TPP1 protein.
Immunogen	TPP1 (NP_000382.3, 1 a.a. ~ 563 a.a) full-length human protein.
Sequence	MGLQACLLGLFALILSGKCSYSPEPDQRRTLPPGWVSLGRADPEEELSITFALRQQNVERLSELV QAVSDPSSPQYGKYLLENVADLVRPSPLTLHTVQKWLLAAGAQQCHSVITQDFLTCWLSIRQAE LLLPGAEFHHYVGGPTETHVVRSPHPYQLPQALAPHVDFVGGGLHRFPPTSSLRQRPEPQVTGTV GLHLGVTPSVIRKRYNLTSQDVSGGTSNNSQACAQFLEQYFHSDLAQFMRLFGGNFHAHQASVA RVVGQQGRGRAGIEASLDVQYLMASAGANISTWVYSSPGRHEGQEPFLQWLMLLSNESALPHVHT VSYGDDDSLSSAYIQRVNTELMKAAARGLTLLFASGDSGAGCWSVSGRHQFRPTFPASSPYVT TVGGTSFQEPFLITNEVDYISGGGFSNVFPRPSYQEEAVTKFLSSSPHLPPSSSYFNASGRAYPDV AALSDGYWVVSNRVPIPWVSGTSASTPVFGGILSLINEHRILSGRPPLGFLNPRLYQQHGAGLFDV TRGCHESCLDEEVEGQGFCSGPGWDPVTGWGTPNFPALLKTLNLP
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (88)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

TPP1 MaxPab polyclonal antibody. Western Blot analysis of TPP1 expression in human spleen.

[Protocol Download](#)

- Western Blot (Cell lysate)

TPP1 MaxPab polyclonal antibody. Western Blot analysis of TPP1 expression in Jurkat.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of TPP1 expression in transfected 293T cell line ([H00001200-T01](#)) by TPP1 MaxPab polyclonal antibody.

Lane 1: TPP1 transfected lysate(61.93 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of purified MaxPab antibody to TPP1 on formalin-fixed paraffin-embedded human spleen. [antibody concentration 3 ug/ml]

[Protocol Download](#)

Gene Info — TPP1

Entrez GeneID [1200](#)

GeneBank Accession# [NM_000391](#)

Protein Accession# [NP_000382.3](#)

Gene Name TPP1

Gene Alias CLN2, GIG1, LPIC, MGC21297

Gene Description tripeptidyl peptidase I

Omim ID [204500 607998](#)

Gene Ontology [Hyperlink](#)

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]

Other Designations

ceroid-lipofuscinosis, neuronal 2, late infantile (Jansky-Bielschowsky disease)|growth-inhibiting protein 1|lysosomal pepstatin insensitive protease|tripeptidyl aminopeptidase|tripeptidyl-peptidase I

Pathway

- [Lysosome](#)

Disease

- [Kidney Failure](#)
- [Neuronal Ceroid-Lipofuscinoses](#)