

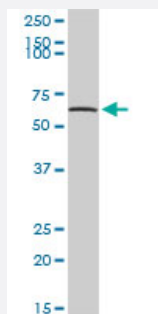
MaxPab®

TPP1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00001200-D01P

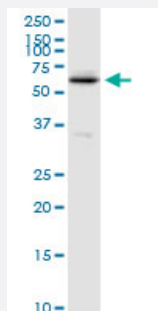
Size 100 ug

Applications



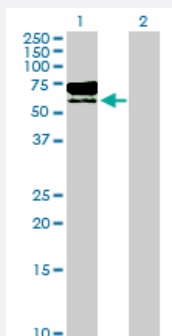
Western Blot (Tissue lysate)

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



Western Blot (Cell lysate)

TPP1 MaxPab rabbit 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(61.20 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit 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	MGLQACLLGLFALILSGKCSYSPEPDQRRTLPPGWVSLGRADPEEELSLTFALRQQNVERLSELV QAVSDPSSPQYGKYL TENVADLVRPSPLTLHTVQKWLLAAGAQQKCHSVITQDFLTCWLSIRQAE LLLPGAEFHHYVGGPTETHVVRSPHPYQLPQALAPHVDFVGGGLHRFPPTSSLRQRPEPQVTGTV GLHLGVTPSVIRKRYNLTSQDVGSGTSNNSQACAQFLEQYFHDSDLAQFMRLFGGNFHAHQASVA RVVGQQGRGRAGIEASLDVQYLMSAGANISTWVYSSPGRHEGQEPFLQWLMLLSNESALPHVHT VSYGDDDESLSSAYQRVNTELMKAAARGLTLLFASGDSGAGCWSVSGRHQFRPTFPASSPYVT TVGGTSFQEPFLITNEVDYISGGGFSNVFPRPSYQEEAVTKFLSSSPHLPPSSYFNASGRAYPDV AALSDGYWVVSNRVPIPWVSGTSASTPVFGGILSLINEHRILSGRPPLGFLNPRLYQQHGAGLFDV TRGCHESCLDEEVEGGQFCSGPGWDPVTGWGTPNFPALLKTLNLP
Host	Rabbit
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)

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[Protocol Download](#)

- Western Blot (Cell lysate)

TPP1 MaxPab rabbit 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.

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Lane 2: Non-transfected lysate.

[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](#)