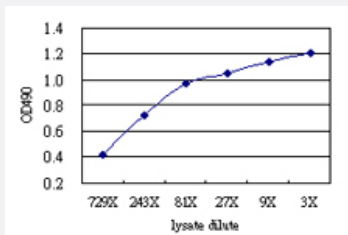


TPP1 (Human) Matched Antibody Pair

Catalog # H00001200-AP51

Size 1 Set

Applications



Sandwich ELISA detection sensitivity ranging from approximately 729x to 3x dilution of the TPP1 293T overexpression lysate (non-denatured).

Specification

Product Description	This antibody pair set comes with a matched antibody pair to detect and quantify the protein level of human TPP1.
Reactivity	Human
Interspecies Antigen Sequence	Mouse (88%); Rat (87%)
Quality Control Testing	Standard curve using TPP1 293T overexpression lysate (non-denatured) as an analyte. Sandwich ELISA detection sensitivity ranging from approximately 729x to 3x dilution of the TPP1 293T overexpression lysate (non-denatured).
Supplied Product	Antibody pair set content: 1. Capture antibody: mouse monoclonal anti-TPP1 (100 ug) 2. Detection antibody: rabbit purified polyclonal anti-TPP1 (50 ug) *Reagents are sufficient for at least 3-5 x 96 well plates using recommended protocols.
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- ELISA Pair (Transfected lysate)

[Protocol Download](#)

Gene Info — TPP1

Entrez GeneID [1200](#)

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](#)