

## Product datasheet for **TA305617**

### TPP1 Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 0.3-1ug/ml.
Reactivity:	Human (Expected from sequence similarity: Dog, Cow)
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide with sequence C-TPSVIRKRYNLTSQD, from the internal region of the protein sequence according to NP_000382.3.
Formulation:	0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin
Concentration:	lot specific
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20C. Minimize freezing and thawing.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	tripeptidyl peptidase 1
Database Link:	<a href="#">NP_000382</a> <a href="#">Entrez Gene 485337 Dog</a> <a href="#">Entrez Gene 1200 Human</a> <a href="#">O14773</a>

**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. [provided by RefSeq]



[View online »](#)

Synonyms: CLN2; GIG1; LPIC; SCAR7; TPP-1

Protein Families: Protease

Protein Pathways: Lysosome

### Product images:



TA305617 (0.3ug/ml) staining of Human Placenta lysate (35ug protein in RIPA buffer) with (B) and without (A) blocking with the immunising peptide. Primary incubation was 1 hour. Detected by chemiluminescence.