RecomAb™

TPP1 recombinant monoclonal antibody, clone R09-2G9

Catalog # RAB01860 Size 100 uL

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human TPP1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human TPP1.
Theoretical MW (kDa)	Calculated MW: 61 kD
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at -20 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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

Gene Info — TPP1

Entrez GeneID	1200
Protein Accession#	O14773
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