ARG64974
anti-TPP1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes TPP1
Tested Reactivity	Hu
Predict Reactivity	Cow, Dog
Tested Application	WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	TPP1
Species	Human
Immunogen	C-TPSVIRKRYNLTSQD
Conjugation	Un-conjugated
Alternate Names	EC 3.4.14.9; TPP-1; Tripeptidyl-peptidase I; GIG1; Lysosomal pepstatin-insensitive protease; SCAR7; Tripeptidyl aminopeptidase; Tripeptidyl-peptidase 1; CLN2; LPIC; Cell growth-inhibiting gene 1 protein; TPP-I

Application Instructions

Application table

Application	Dilution
WB	0.3 - 1 µg/ml

Application Note

WB: Recommend incubate at RT for 1h.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 1200 Human Swiss-port # O14773 Human
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, Jul 2008]
Research Area	Cell Biology and Cellular Response antibody; Neuroscience antibody
Calculated Mw	61 kDa
PTM	Activated by autocatalytic proteolytical processing upon acidification. N-glycosylation is required for processing and activity.

Images

ARG64974 anti-TPP1 antibody WB image

Western blot: 35 µg of Human Placenta lysate stained with ARG64974 anti-TPP1 antibody at 0.3 µg/ml dilution.