



THOP1 Polyclonal Antibody

Catalog No	YP-Ab-06921
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB;ELISA
Gene Name	THOP1
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	THOP1 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Endopeptidase 24.15;EP24.15;MEPD_HUMAN;MP78;Thimet oligopeptidase; thimet oligopeptidase 1;THOP1;TOP;Thimet oligopeptidase (EC 3.4.24.15) (Endopeptidase 24.15) (MP78)
Observed Band	79 kDa
Calculated Molecular Weight	689 aa, 79 kDa
Cell Pathway	Cytoplasm.
Tissue Specificity	Brain,Lung,Placenta,Uterus,
Function	catalytic activity:Preferential cleavage of bonds with hydrophobic residues at P1, P2 and P3' and a small residue at P1' in substrates of 5 to 15 residues., cofactor:Binds 1 zinc ion per subunit.,cofactor:Binds 1 zinc ion.,function:Involved in the metabolism of neuropeptides under 20 amino acid residues long. Involved in cytoplasmic peptide degradation. Able to degrade the beta-amyloid precursor protein and generate amyloidogenic fragments.,similarity:Belongs to the peptidase M3 family.,subunit:Monomer.,
Background	The protein encoded by this gene is a kinase that uses zinc as a cofactor. The encoded oligopeptidase cleaves cytosolic peptides, making them unavailable for display on antigen-presenting cells. This protein also cleaves neuropeptides

under 20 aa in length and can degrade beta-amyloid precursor protein to amyloidogenic peptides. [provided by RefSeq, Nov 2015],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images