



# THOP1 Monoclonal Antibody

<b>Catalog No</b>	YP-mAb-06921
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse
<b>Applications</b>	WB
<b>Gene Name</b>	THOP1
<b>Protein Name</b>	Thimet oligopeptidase (EC 3.4.24.15) (Endopeptidase 24.15) (MP78)
<b>Immunogen</b>	Synthesized peptide derived from part region of human protein
<b>Specificity</b>	THOP1 Monoclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-1:2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	75kD
<b>Cell Pathway</b>	Cytoplasm.
<b>Tissue Specificity</b>	Brain,Lung,Placenta,Uterus,
<b>Function</b>	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:Bounds 1 zinc ion per subunit.,cofactor:Bounds 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.,
<b>Background</b>	The protein encoded by this gene is a kininase 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],
<b>matters needing attention</b>	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**