



# THOP1 Monoclonal Antibody

Catalog No	BYmab-06921
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB
Gene Name	THOP1
Protein Name	Thimet oligopeptidase (EC 3.4.24.15) (Endopeptidase 24.15) (MP78)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	THOP1 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	75kD
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: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.,
Background	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

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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

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