



Rabbit Anti-THOP1 antibody

SL11683R

Product Name:	THOP1
Chinese Name:	Thimet内肽酶抗体
Alias:	Thimet Oligopeptidase; Endopeptidase 24.15; EP24.15; MEPD_HUMAN; MP78; Thimet oligopeptidase 1; Thop1; THOP1_HUMAN; EC 3.4.24.15.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	79kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Thimet Oligopeptidase:51-150/689
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Thimet oligopeptidase, also designated soluble metallo-endopeptidase, is a cytoplasmic protein belonging to the peptidase M3 family. The gene for the protein maps against chromosome 19q13.3. Thimet oligopeptidase can degrade the b-Amyloid precursor protein and generate amyloidogenic fragments. It is important in cytoplasmic peptide degradation and involved in metabolism of neuropeptides that are less than 20 amino

acids in length. Thimet oligopeptidase is highly expressed in testis but can also be detected in liver, lung and kidney.

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.

Subunit:

Monomer.

Subcellular Location:

Cytoplasm.

Similarity:

Belongs to the peptidase M3 family.

SWISS:

P52888

Gene ID:

7064

Database links:

[Entrez Gene: 7064](#) Human

[Entrez Gene: 50492](#) Mouse

[Entrez Gene: 64517](#) Rat

[Omim: 601117](#) Human

[SwissProt: P52888](#) Human

[SwissProt: Q8C1A5](#) Mouse

[SwissProt: P24155](#) Rat

[Unigene: 78769](#) Human

[Unigene: 26995](#) Mouse

[Unigene: 9490](#) Rat

Important Note:

	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
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