

Product datasheet for **TA501409M**

Thimet Oligopeptidase (THOP1) Mouse Monoclonal Antibody [Clone ID: OTI2D3]

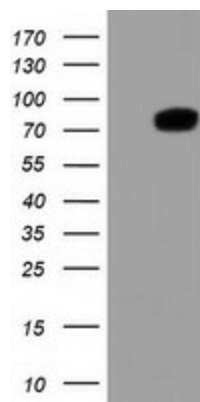
Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2D3
Applications:	IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human THOP1 (NP_0003240) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.67 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	78.7 kDa
Gene Name:	thimet oligopeptidase 1
Database Link:	NP_003240 Entrez Gene 7064 Human P52888
Synonyms:	EP24.15; MEPD_HUMAN; MP78; TOP
Protein Families:	Druggable Genome, Protease
Protein Pathways:	Renin-angiotensin system

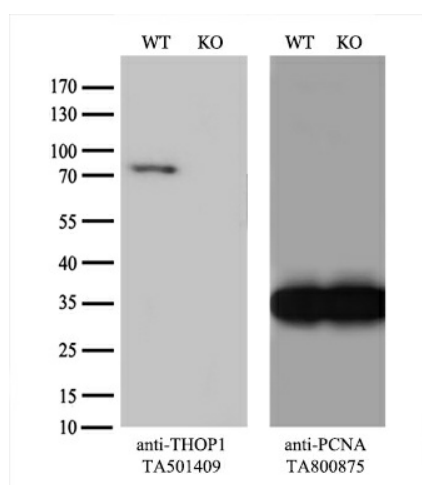


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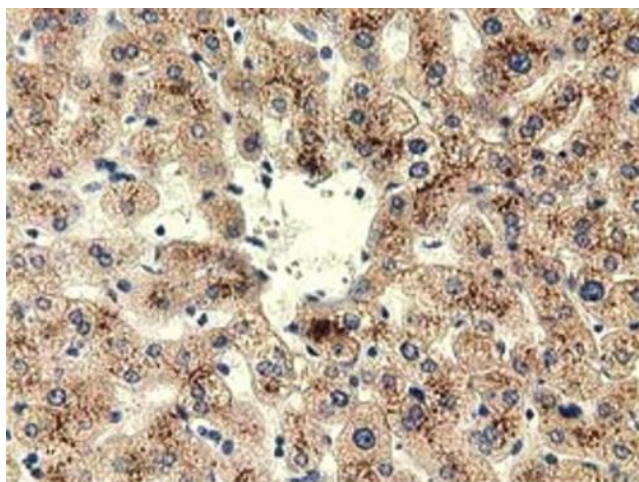
Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY THOP1 (Cat# [RC201738], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-THOP1 (Cat# [TA501409]). Positive lysates [LY401123] (100ug) and [LC401123] (20ug) can be purchased separately from OriGene.



Equivalent amounts of cell lysates (10 ug per lane) of wild-type HEK293T cells (WT, Cat# LC810293T) and THOP1-Knockout HEK293T cells (KO, Cat# [LC842021]) were separated by SDS-PAGE and immunoblotted with anti-THOP1 monoclonal antibody [TA501409] (1:500). Then the blotted membrane was stripped and reprobed with anti-PCNA antibody as a loading control.



Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-THOP1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.