

For Research Use Only

# THOP1 Polyclonal antibody

Catalog Number:11738-1-AP



## Basic Information

<b>Catalog Number:</b> 11738-1-AP	<b>GenBank Accession Number:</b> BC000135	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 7064	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P52888	
<b>Isotype:</b> IgG	<b>Full Name:</b> thimet oligopeptidase 1	
<b>Immunogen Catalog Number:</b> AG2268	<b>Calculated MW:</b> 689 aa, 79 kDa	
	<b>Observed MW:</b> 79 kDa	

## Applications

### Tested Applications:

WB, IP, IHC, ELISA

### Species Specificity:

human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

**WB** : HEK-293T cells, HeLa cells, Jurkat cells, K-562 cells, human placenta tissue

**IP** : human placenta tissue,

**IHC** : human colon cancer tissue,

## Background Information

Thimet oligopeptidase(THOP1) is a metallopeptidase implicated in the metabolism of many sleep-related peptides, including angiotensin I, gonadotropin releasing hormone (GnRH), neurotensin, and opioid peptides

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

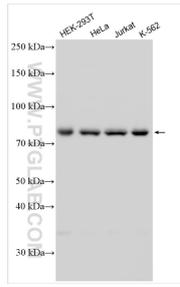
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

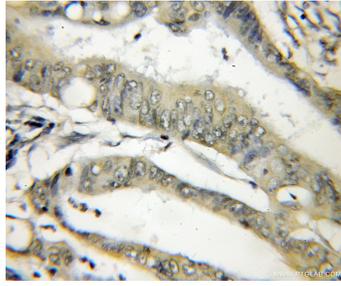
E: proteintech@ptglab.com  
W: ptglab.com

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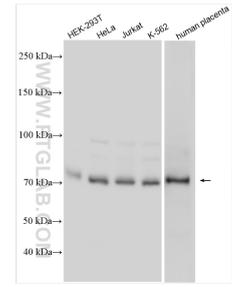
## Selected Validation Data



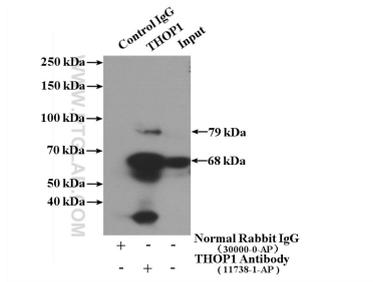
Various lysates were subjected to SDS PAGE followed by western blot with 11738-1-AP (THOP1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer using 11738-1-AP (THOP1 antibody) at dilution of 1:50 (under 10x lens).



Various lysates were subjected to SDS PAGE followed by western blot with 11738-1-AP (THOP1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



IP result of anti-THOP1 (IP:11738-1-AP, 4ug; Detection:11738-1-AP 1:500) with human placenta tissue lysate 1520ug.