

For Research Use Only

TPPII Monoclonal antibody

Catalog Number: 66017-1-Ig

Featured Product

2 Publications



Basic Information

Catalog Number:

66017-1-Ig

GenBank Accession Number:

BC039905

Purification Method:

Protein A purification

Size:

150ul, Concentration: 2000 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;

GeneID (NCBI):

7174

CloneNo.:

5H6F11

Source:

Mouse

UNIPROT ID:

P29144

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

IF/ICC 1:10-1:100

Isotype:

IgG2b

Full Name:

tripeptidyl peptidase II

Calculated MW:

1249 aa, 138 kDa

Immunogen Catalog Number:

AG5296

Observed MW:

135 kDa

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Positive Controls:

WB : HeLa cells, Jurkat

Cited Applications:

WB

IHC : human testis tissue,

Species Specificity:

human

IF/ICC : HeLa cells, MCF-7 cells

Cited Species:

human

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

Background Information

TPPII (Tripeptidyl-peptidase 2) is an evolutionary conserved serine peptidase of the subtilisin family that removes tripeptides from the free NH₂ terminus of oligopeptides. The 138-kDa TPP2 polypeptide forms large oligomeric complexes of >1,000 kDa that are detected in the cytoplasm of all cell types. In addition, a membrane associated TPP 2 isoform is present in most cells (PMID:15735022).

Notable Publications

Author	Pubmed ID	Journal	Application
Jens Dinter	25230751	J Immunol	WB
Xinyuan Lei	35794100	Nat Commun	WB

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

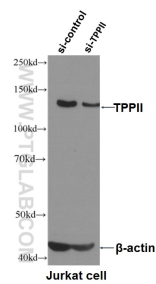
For technical support and original validation data for this product please contact:

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

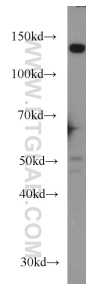
E: proteintech@ptglab.com
W: ptglab.com

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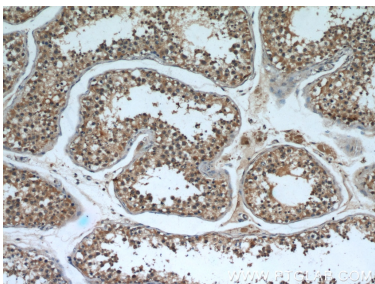
Selected Validation Data



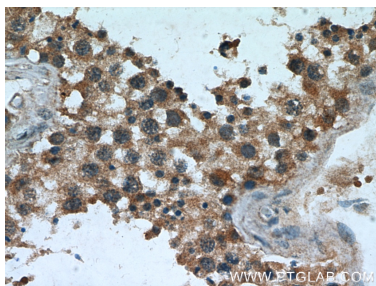
WB result of TPPII antibody (66017-1-Ig, 1:4000) with si-control and si-TPPII transfected Jurkat cells.



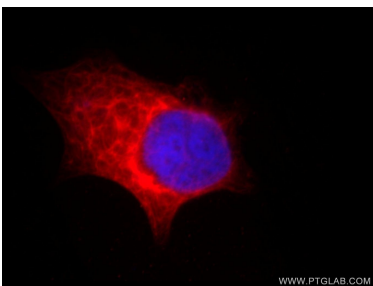
HeLa cells were subjected to SDS PAGE followed by western blot with 66017-1-Ig (TPPII antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human testis using 66017-1-Ig(TPPII antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human testis using 66017-1-Ig(TPPII antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of HeLa cells, using TPP2 antibody 66017-1-Ig at 1:25 dilution and Rhodamine-labeled goat anti-mouse IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).