

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 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 7174	CloneNo.: 5H6F11
Source: Mouse	Full Name: tripeptidyl peptidase II	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200 IF 1:10-1:100
Isotype: IgG2b	Calculated MW: 1249 aa, 138 kDa	
Immunogen Catalog Number: AG5296	Observed MW: 135 kDa	

Applications

Tested Applications:
FC, IF, IHC, WB, ELISA

Cited Applications:
WB

Species Specificity:
human

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**

Positive Controls:

WB: HeLa cells, Jurkat

IHC: human testis tissue,

IF: HeLa cells, MCF-7 cells

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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

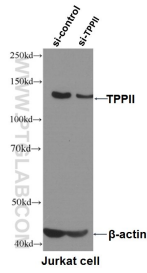
For technical support and original validation data for this product please contact:

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

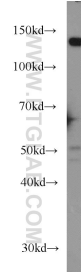
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

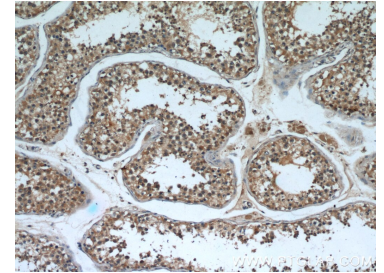
Selected Validation Data



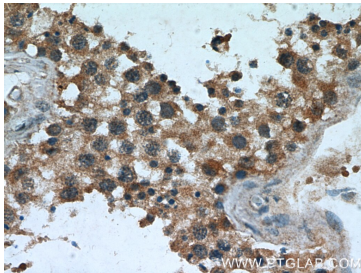
WB result of TPPII antibody (66017-1-Ig, 1:4000) with si-control and si-TPPII transfected Jurkat cells.



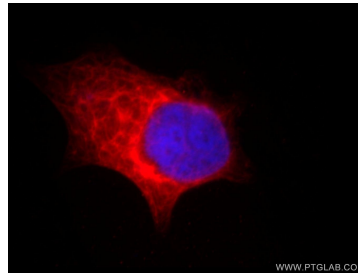
HeLa cells were subjected to SDS PAGE followed by western blot with 66017-1-Ig (TPPII antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



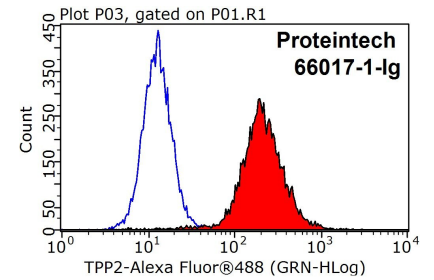
Immunohistochemical analysis of paraffin-embedded human testis using 66017-1-Ig(TPPII antibody) at dilution of 1:50 (under 10x lens).



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).



1X10⁶ HeLa cells were stained with 0.2ug TPPII antibody (66017-1-Ig, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L) with dilution 1:1000.