

TPM3 Polyclonal antibody

Catalog Number: 10737-1-AP

Featured Product

9 Publications

Basic Information

Catalog Number:

10737-1-AP

Size:

400 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1171

GenBank Accession Number:

BC008407

GeneID (NCBI):

7170

UNIPROT ID:

P06753

Full Name:

tropomyosin 3

Calculated MW:

33 kDa

Observed MW:

38-40 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

WB, IP, IF, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

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 : mouse skeletal muscle tissue, mouse heart tissue, human heart tissue, HeLa cells, HEK-293 cells, rat heart tissue, HepG2 cells, rat skeletal muscle tissue

IP : HeLa cells,

IHC : human ovary tumor tissue, human liver cancer tissue, human ovary tissue, human colon cancer tissue

Background Information

Tropomyosins are ubiquitous proteins of 35 to 45 kDa associated with the actin filaments of myofibrils and stress fibers. Tropomyosins are dimers of coiled-coil proteins that provide stability to actin filaments and regulate access of other actin-binding proteins. TPM2 subunit constitutes one part of the TPM dimer, and TPM1 or TPM3 constitutes the other part of the TPM dimer (22064019), causing an extra band of ~70kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Ken Asada	33928345	Nucleic Acids Res	IP
Kaiming Peng	35287546	Bioengineered	IHC
Zhen Jia	35393008	Oncol Res	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

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

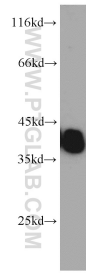
T: 4006900926

E: Proteintech-CN@ptglab.com

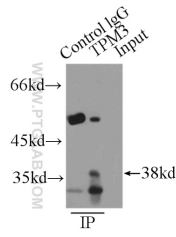
W: ptgcn.com

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

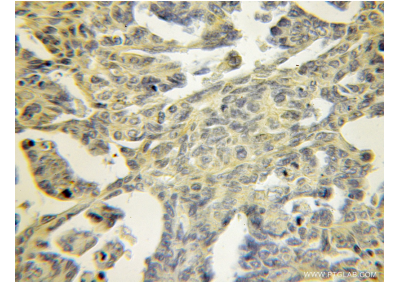
Selected Validation Data



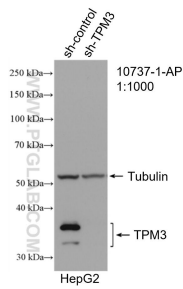
mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 10737-1-AP (TPM3 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



IP result of anti-TPM3 (IP:10737-1-AP, 4ug; Detection:10737-1-AP 1:300) with HeLa cells lysate 2000ug.



Immunohistochemical analysis of paraffin-embedded human ovary tumor using 10737-1-AP (TPM3 antibody) at dilution of 1:50 (under 10x lens).



WB result of TPM3 antibody (10737-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TPM3 transfected HepG2 cells.