

For Research Use Only

TPM3 Polyclonal antibody

Catalog Number: 10737-1-AP

Featured Product

12 Publications



Basic Information

Catalog Number:

10737-1-AP

Concentration:

600 ug/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 ug for 1.0-3.0 mg of total protein lysate

IHC 1:200-1:1000

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP

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 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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

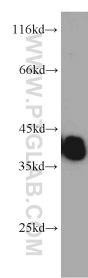
T: 4006900926

E: Proteintech-CN@ptglab.com

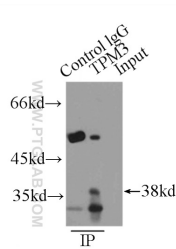
W: ptgcn.com

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

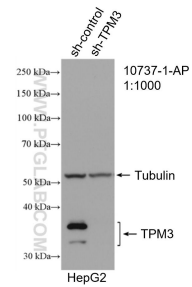
Selected Validation Data



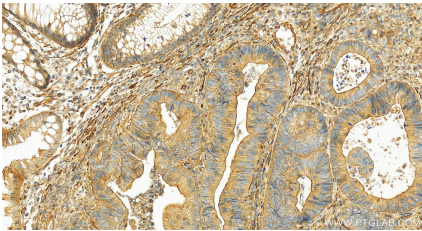
mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 10737-1-AP (TPM3 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



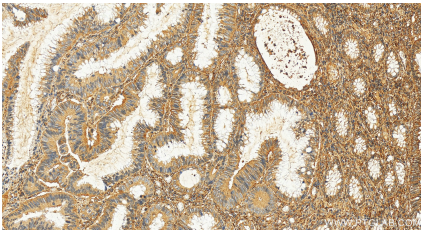
IP result of anti-TPM3 (IP:10737-1-AP, 4ug; Detection:10737-1-AP 1:300) with HeLa cells lysate 2000ug.



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.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 10737-1-AP (TPM3 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 10737-1-AP (TPM3 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).