

For Research Use Only

TPM4 Monoclonal antibody, PBS Only



Catalog Number: 67244-1-PBS

Featured Product

Basic Information

Catalog Number:

67244-1-PBS

Size:

100ug, Concentration: 1mg/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG6947

GenBank Accession Number:

BC037576

GeneID (NCBI):

7171

ENSEMBL Gene ID:

ENSG00000167460

UNIPROT ID:

P67936

Full Name:

tropomyosin 4

Calculated MW:

248 aa, 29 kDa

Observed MW:

32-35 kDa

Purification Method:

Protein A purification

CloneNo.:

2E12D12

Applications

Tested Applications:

ELISA, IF/ICC, IHC, WB

Species Specificity:

rabbit, pig, rat, mouse, human

Background Information

TPM4 is a member of tropomyosins (TPMs), a multi-gene family of actin-binding proteins present in all eukaryotic cells. In muscle, TPMs are responsible for mediating contraction via regulation of the actin-myosin interaction. As to non-muscle cells, its proposed role is to stabilize the actin filaments by modulating the interaction with proteins that are responsible for the regulation of actin dynamics. The form of TPM4 in muscle has a higher molecular weight than the form found in non-muscle cells.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

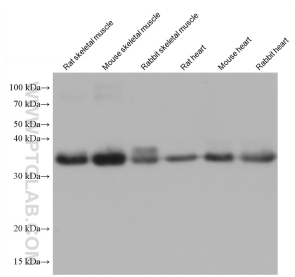
For technical support and original validation data for this product please contact:

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

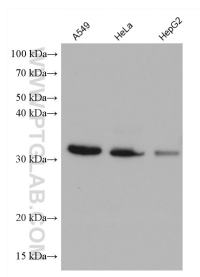
E: proteintech@ptglab.com
W: ptglab.com

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

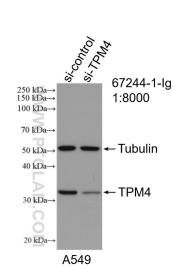
Selected Validation Data



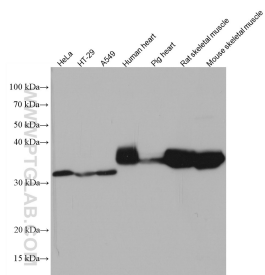
Various lysates were subjected to SDS PAGE followed by western blot with 67244-1-Ig (TPM4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67244-1-PBS in a different storage buffer formulation.



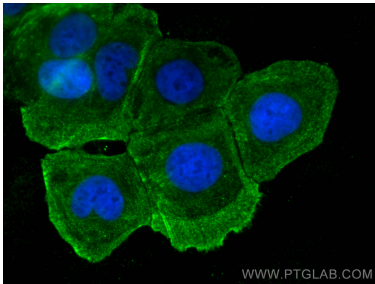
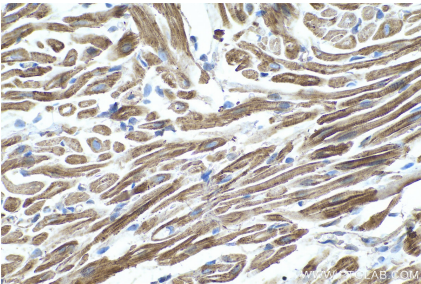
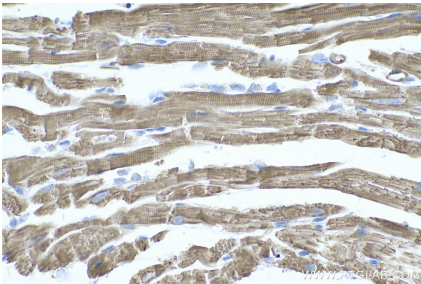
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WB result of TPM4 antibody (67244-1-Ig; 1:8000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TPM4 transfected A549 cells. This data was developed using the same antibody clone with 67244-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 67244-1-Ig (TPM4 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67244-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using TPM4 antibody (67244-1-Ig, Clone: 2E12D12) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67244-1-PBS in a different storage buffer formulation.