

For Research Use Only

TPM4 Monoclonal antibody, PBS Only



Catalog Number: 67244-1-PBS

Featured Product

Basic Information

Catalog Number: 67244-1-PBS	GenBank Accession Number: BC037576	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 7171	CloneNo.: 2E12D12
Source: Mouse	ENSEMBL Gene ID: ENSG00000167460	
Isotype: IgG1	UNIPROT ID: P67936	
Immunogen Catalog Number: AG6947	Full Name: tropomyosin 4	
	Calculated MW: 248 aa, 29 kDa	
	Observed MW: 32-35 kDa	

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.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

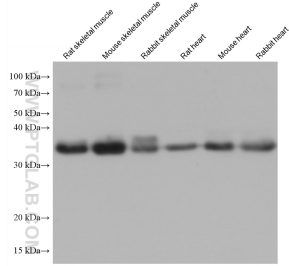
T: 4006900926

E: Proteintech-CN@ptglab.com

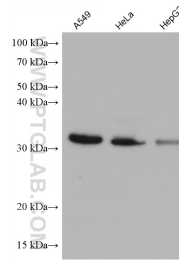
W: ptgcn.com

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

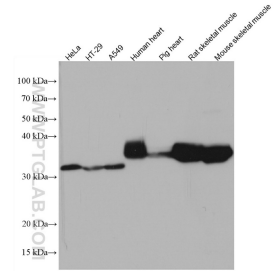
Selected Validation Data



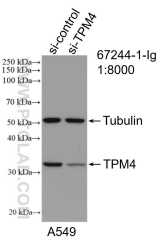
Various lysates were subjected to SDS PAGE followed by western blot with 67244-1-Ig (TPM4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67244-1-PBS in a different storage buffer formulation.



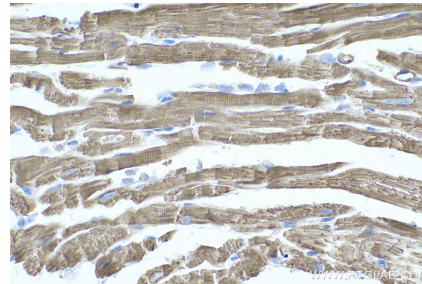
Various lysates were subjected to SDS PAGE followed by western blot with 67244-1-Ig (TPM4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67244-1-PBS in a different storage buffer formulation.



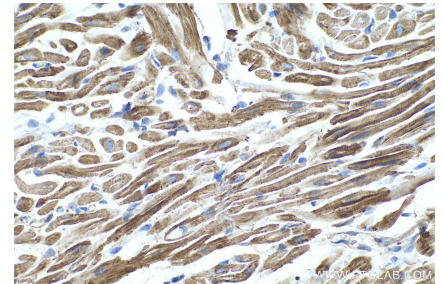
Various lysates were subjected to SDS PAGE followed by western blot with 67244-1-Ig (TPM4 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67244-1-PBS in a different storage buffer formulation.



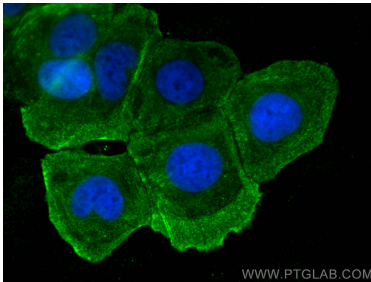
WB result of TPM4 antibody (67244-1-Ig; 1:8000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TPM4 transfected A549 cells. This data was developed using the same antibody clone with 67244-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 67244-1-Ig (TPM4 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67244-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat heart tissue slide using 67244-1-Ig (TPM4 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). 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.