

For Research Use Only

# CoraLite® Plus 488-conjugated TPM4 Monoclonal antibody



Catalog Number: CL488-67244

Featured Product

## Basic Information

<b>Catalog Number:</b> CL488-67244	<b>GenBank Accession Number:</b> BC037576	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 7171	<b>CloneNo.:</b> 2E12D12
<b>Source:</b> Mouse	<b>Full Name:</b> tropomyosin 4	<b>Recommended Dilutions:</b> WB 1:1000-1:4000
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 248 aa, 29 kDa	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG6947	<b>Observed MW:</b> 32-35 kDa	

## Applications

<b>Tested Applications:</b> WB	<b>Positive Controls:</b> WB : rat skeletal muscle tissue, mouse skeletal muscle tissue
<b>Species Specificity:</b> Human, mouse, rat, pig	

## 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

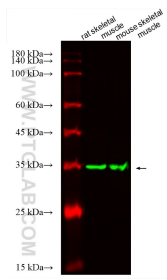
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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



Various lysates were subjected to SDS PAGE followed by western blot with CL488-67244 (TPM4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.