

Nur für Forschungszwecke

# TPM4 Monoklonaler Antikörper

Katalog-Nr.:67244-1-Ig

Vorgestelltes Produkt

1 Publikationen



## Allgemeine Informationen

<b>Katalog-Nr.:</b> 67244-1-Ig	<b>GenBank-Zugangsnummer:</b> BC037576	<b>Reinigungsmethode:</b> Protein-A-Reinigung
<b>Größe:</b> 150ul , Konzentration: 1900 µg/ml von7171 Nanodrop und 1000 µg/ml durch die Bradford-Methode mit BSA als Standard;	<b>GeneID (NCBI):</b> 7171	<b>CloneNo.:</b> 2E12D12
<b>Wirt:</b> Maus	<b>Vollständiger Name:</b> tropomyosin 4	<b>Empfohlene Verdünnungen:</b> WB 1:5000-1:50000 IHC 1:1000-1:4000
<b>Isotyp:</b> IgG1	<b>Berechnete Masse:</b> 248 aa, 29 kDa	
<b>Immunogen Katalognummer:</b> AG6947	<b>Beobachtete Masse:</b> 32-35 kDa	

## Anwendungen

### Geprüfte Anwendungen:

IHC, WB, ELISA

### In Publikationen genannte Anwendungen:

WB

### Getestete Reaktivität:

Hausschwein, Human, Kaninchen, Maus, Ratte

### Zitierte Arten:

Human

**Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

### Positivkontrollen:

**WB :** Ratten-Skelettmuskelgewebe, A549-Zellen, Hausschwein-Herzgewebe, HeLa-Zellen, HepG2-Zellen, HT-29-Zellen, humanes Herzgewebe, Kaninchenherzgewebe, Kaninchen-Skelettmuskelgewebe, Mausherzgewebe, Maus-Skelettmuskelgewebe, Rattenherzgewebe

**IHC :** Mausherzgewebe, Rattenherzgewebe

## Hintergrundinformationen

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.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Rie Karasawa	37144941	Rheumatology (Oxford)	WB

## Lagerung

### Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

### Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

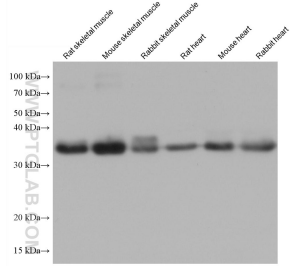
For technical support and original validation data for this product please contact:

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

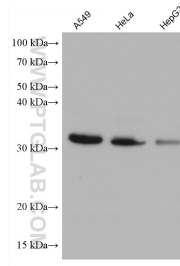
E: proteintech@ptglab.com  
W: ptglab.com

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

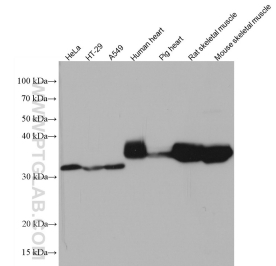
## Ausgewählte Validierungsdaten



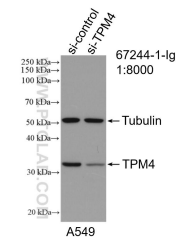
Various lysates were subjected to SDS PAGE followed by western blot with 67244-1-Ig (TPM4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



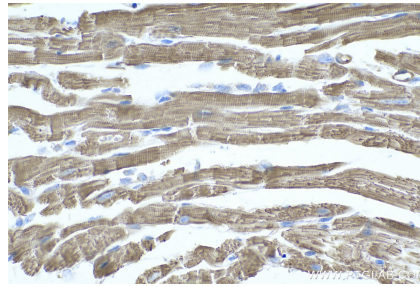
Various lysates were subjected to SDS PAGE followed by western blot with 67244-1-Ig (TPM4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



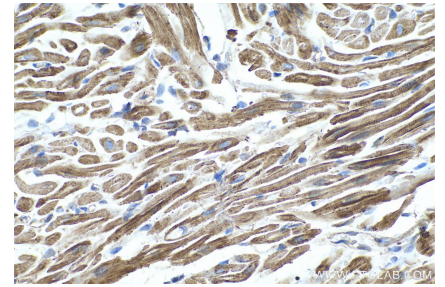
Various lysates were subjected to SDS PAGE followed by western blot with 67244-1-Ig (TPM4 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



WB result of TPM4 antibody (67244-1-Ig; 1:8000; incubated at room temperature for 1.5 hours) with si-Control and sh-TPM4 transfected A549 cells.



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).



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).