

**TPM3 Antibody (C-Term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21987b**

**Specification**

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**TPM3 Antibody (C-Term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P06753</a>
Other Accession	<a href="#">Q5KR49</a> , <a href="#">P04268</a> , <a href="#">P58773</a> , <a href="#">P13104</a> , <a href="#">P09493</a> , <a href="#">P84335</a> , <a href="#">P58771</a> , <a href="#">P42639</a> , <a href="#">P58772</a> , <a href="#">P13105</a> , <a href="#">P04692</a> , <a href="#">Q01173</a> , <a href="#">Q5KR47</a> , <a href="#">A1XQV4</a>
Reactivity	Human
Predicted	Bovine, Chicken, Zebrafish, Mouse, Pig, Rabbit, Rat, Xenopus
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	32950

**TPM3 Antibody (C-Term) - Additional Information**

**Gene ID** 7170

**Other Names**

Tropomyosin alpha-3 chain, Gamma-tropomyosin, Tropomyosin-3, Tropomyosin-5, hTM5, TPM3

**Target/Specificity**

This TPM3 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 245-276 amino acids from the human region of human TPM3.

**Dilution**

WB~~1:2000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

TPM3 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**TPM3 Antibody (C-Term) - Protein Information**

**Name** TPM3

**Function** Binds to actin filaments in muscle and non-muscle cells. Plays a central role, in association with the troponin complex, in the calcium dependent regulation of vertebrate striated muscle contraction. Smooth muscle contraction is regulated by interaction with caldesmon. In non-muscle cells is implicated in stabilizing cytoskeleton actin filaments.

#### Cellular Location

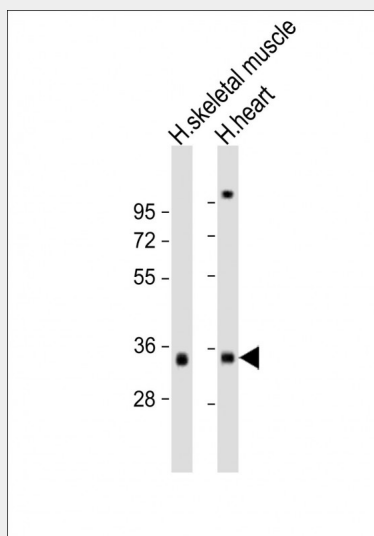
Cytoplasm, cytoskeleton.

#### TPM3 Antibody (C-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### TPM3 Antibody (C-Term) - Images



All lanes : Anti-TPM3 Antibody (C-Term) at 1:2000 dilution Lane 1: human skeletal muscle lysate Lane 2: human heart lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 33 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

#### TPM3 Antibody (C-Term) - Background

Binds to actin filaments in muscle and non-muscle cells. Plays a central role, in association with the troponin complex, in the calcium dependent regulation of vertebrate striated muscle contraction. Smooth muscle contraction is regulated by interaction with caldesmon. In non-muscle cells is implicated in stabilizing cytoskeleton actin filaments.

#### TPM3 Antibody (C-Term) - References

Reinach F.C.,et al.Nature 322:648-650(1986).  
McLeod A.R.,et al.Nucleic Acids Res. 14:8413-8426(1986).  
Clayton L.,et al.J. Mol. Biol. 201:507-515(1988).  
Lin J.J.-C.,et al.Submitted (JUL-2000) to the EMBL/GenBank/DDBJ databases.  
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