

**TPM3 Antibody**  
**Purified Mouse Monoclonal Antibody (Mab)**  
**Catalog # AM8540b****Specification**

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**TPM3 Antibody - Product Information**

Application	WB,E
Primary Accession	<a href="#">P06753</a>
Reactivity	Human, Mouse
Host	Mouse
Clonality	monoclonal
Isotype	IgG1,k
Calculated MW	32950

**TPM3 Antibody - 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 mouse immunized with a recombinant protein of human TPM3.

**Dilution**

WB~~1:2000

E~~Use at an assay dependent concentration.

**Format**

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

**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 is for research use only and not for use in diagnostic or therapeutic procedures.

**TPM3 Antibody - 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.

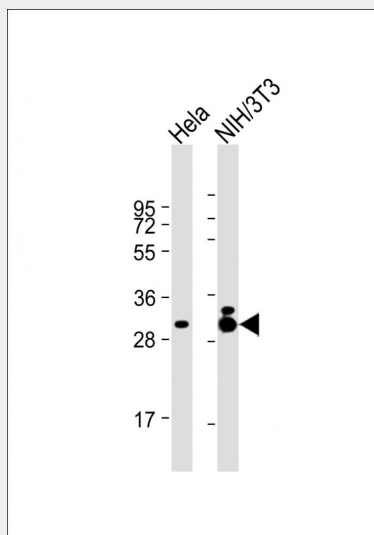
**Cellular Location**

Cytoplasm, cytoskeleton.

**TPM3 Antibody - 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 - Images**

All lanes : Anti-TPM3 Antibody at 1:2000 dilution Lane 1: HeLa whole cell lysate Lane 2: NIH/3T3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 33 kDa Blocking/Dilution buffer: 5% NFD/MTBST.

**TPM3 Antibody - 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 - References**

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Clayton L.,et al.J. Mol. Biol. 201:507-515(1988).  
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