

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

TPM3 Antibody - Product Information

Application	WB,E
Primary Accession	P06753
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.

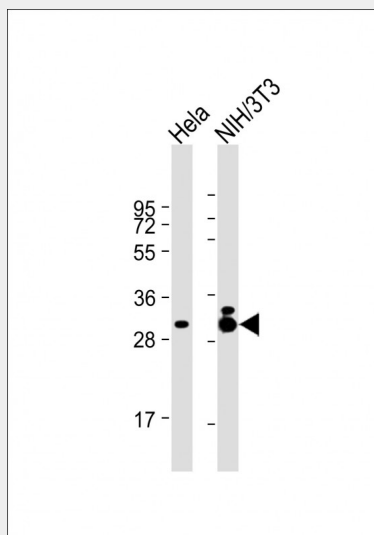
Cellular Location

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% NFDM/TBST.

TPM3 Antibody - Background

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TPM3 Antibody - 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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