

TPM3 Antibody
Rabbit Polyclonal Antibody
Catalog # ALS17075**Specification**

TPM3 Antibody - Product Information

| | |
|-------------------|--------------------------|
| Application | IHC, IF, WB |
| Primary Accession | P06753 |
| Other Accession | 7170 |
| Reactivity | Human, Mouse, Rat |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Calculated MW | 32950 |

TPM3 Antibody - Additional Information**Gene ID** 7170**Other Names**

TPM3, CFTD, Cytoskeletal tropomyosin TM30, Gamma-tropomyosin, NEM1, Hscp30, TM30nm, Tropomyosin alpha-3 chain, TM-5, TM5, TPMsk3, Tropomyosin 3, Tropomyosin-5, TM3, TM30, TRK, Tropomyosin-3, HTM5, OK/SW-cl.5, Tropomyosin gamma

Target/Specificity

Human TPM3

Reconstitution & Storage

PBS, pH 7.3, 0.02% sodium azide, 50% glycerol. Long term: -80°C; Short term: -20°C. Avoid 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.

Volume

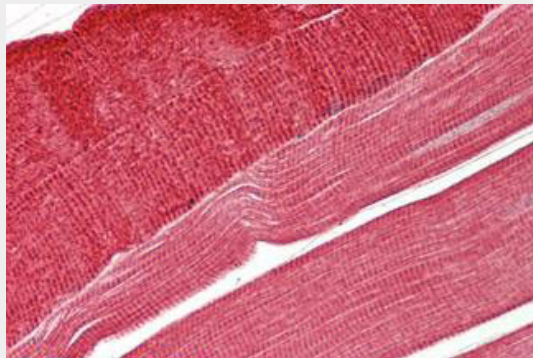
50 μ l

TPM3 Antibody - Protocols

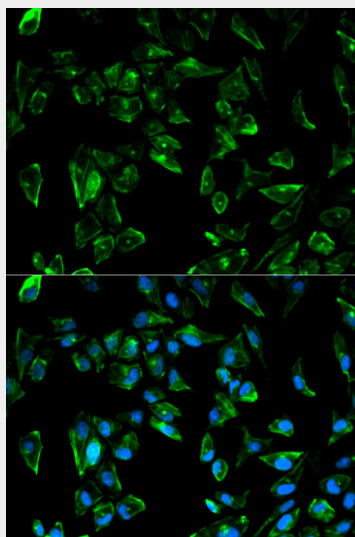
Provided below are standard protocols that you may find useful for product applications.

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

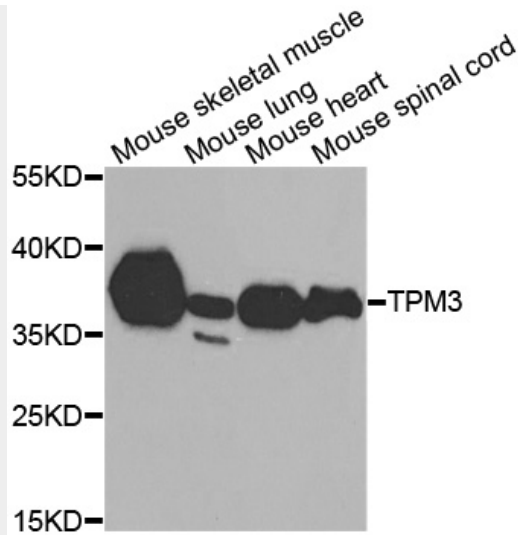
TPM3 Antibody - Images



Human Skeletal Muscle: Formalin-Fixed, Paraffin-Embedded (FFPE)



Immunofluorescence analysis of HeLa cell using TPM3 antibody. Blue: DAPI for nuclear staining.



Western blot analysis of extracts of various tissues, using TPM3 antibody.

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.
- Gregory S.G.,et al.Nature 441:315-321(2006).