

Anti-TPM1 / Tropomyosin Antibody
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18577**Specification**

Anti-TPM1 / Tropomyosin Antibody - Product Information

Application	WB, IHC-P, IF
Primary Accession	P09493
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	32709

Anti-TPM1 / Tropomyosin Antibody - Additional Information**Gene ID** 7168**Alias Symbol** **TPM1****Other Names**

TPM1, Alpha-tropomyosin, C15orf13, Cardiomyopathy, hypertrophic 3, CMD1Y, CMH3, HTM-alpha, Sarcomeric tropomyosin kappa, TMSA, Tropomyosin, Tropomyosin 1 (alpha), Tropomyosin alpha-1 chain, Tropomyosin-1

Target/Specificity

Human TPM1 / Tropomyosin

Reconstitution & Storage

Affinity purified

Precautions

Anti-TPM1 / Tropomyosin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-TPM1 / Tropomyosin Antibody - Protein Information**Name** TPM1**Synonyms** C15orf13, TMSA**Function**

Binds to actin filaments in muscle and non-muscle cells (PubMed:[23170982](http://www.uniprot.org/citations/23170982)). Plays a central role, in association with the troponin complex, in the calcium dependent regulation of vertebrate striated muscle contraction (PubMed:[23170982](http://www.uniprot.org/citations/23170982)). Smooth muscle contraction is regulated by interaction with caldesmon. In non-muscle cells is implicated in stabilizing cytoskeleton actin filaments.

Cellular Location

Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:P04692}. Note=Associates with F-actin stress fibers. {ECO:0000250|UniProtKB:P04692}

Tissue Location

Detected in primary breast cancer tissues but undetectable in normal breast tissues in Sudanese patients. Isoform 1 is expressed in adult and fetal skeletal muscle and cardiac tissues, with higher expression levels in the cardiac tissues. Isoform 10 is expressed in adult and fetal cardiac tissues, but not in skeletal muscle. {ECO:0000269|PubMed:15249230, ECO:0000269|Ref.15}

Anti-TPM1 / Tropomyosin 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](#)

Anti-TPM1 / Tropomyosin Antibody - Images