

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

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**Anti-TPM1 / Tropomyosin Antibody - Product Information**

Application	WB, IHC-P, IF
Primary Accession	<a href="#">P09493</a>
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**