

# Anti-TPM1 / Tropomyosin Antibody

Rabbit Anti Human Polyclonal Antibody  
Catalog # ALS18577

## Product Information

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<b>Application</b>	WB, IHC-P, IF
<b>Primary Accession</b>	<a href="#">P09493</a>
<b>Predicted</b>	Human, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Calculated MW</b>	32709

## Additional Information

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<b>Gene ID</b>	7168
<b>Alias Symbol</b>	TPM1
<b>Other Names</b>	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
<b>Target/Specificity</b>	Human TPM1 / Tropomyosin
<b>Reconstitution &amp; Storage</b>	Affinity purified
<b>Precautions</b>	Anti-TPM1 / Tropomyosin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	TPM1
<b>Synonyms</b>	C15orf13, TMSA
<b>Function</b>	Binds to actin filaments in muscle and non-muscle cells (PubMed: <a href="#">23170982</a> ). Plays a central role, in association with the troponin complex, in the calcium dependent regulation of vertebrate striated muscle contraction (PubMed: <a href="#">23170982</a> ). Smooth muscle contraction is regulated by interaction with caldesmon. In non-muscle cells is implicated in stabilizing cytoskeleton actin filaments.
<b>Cellular Location</b>	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}

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.