

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.

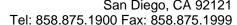
Anti-TPM1 / Tropomyosin Antibody - Protein Information

Name TPM1

Synonyms C15orf13, TMSA

Function

Binds to actin filaments in muscle and non-muscle cells (PubMed: 23170982). Plays a central role, in association with the troponin complex, in the calcium dependent regulation of vertebrate striated muscle contraction (PubMed: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
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-TPM1 / Tropomyosin Antibody - Images