

Rabbit TPM1 Polyclonal Antibody | anti-TPM1 antibody

TPM1 Polyclonal Antibody

CATALOG # AAA167423	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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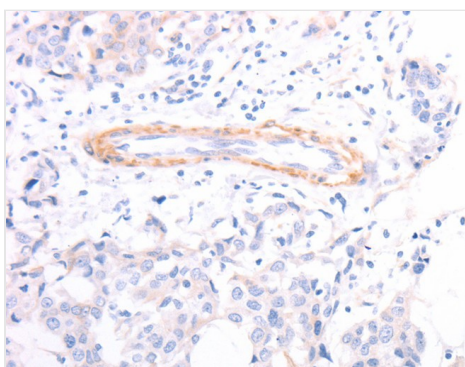
PRODUCT SYNONYMS

TPM1; Polyclonal Antibody; TPM1 Polyclonal Antibody; CMH3; TMSA; CMD1Y; C15orf13; HTM-alpha; anti-TPM1 antibody

PRODUCT SPECIFICATIONS

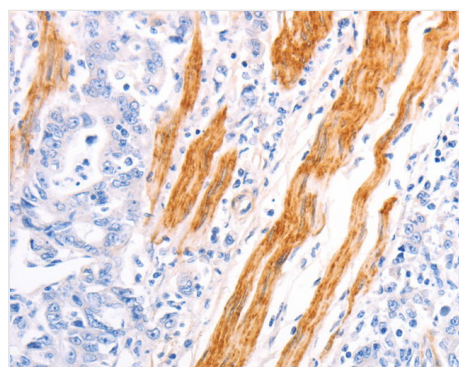
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1.2mg/mL (varies by lot)
Sequence Length	248
Applicable Applications for anti-TPM1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant protein of human TPM1
Buffer	PBS with 0.05% sodium azide, 50% glycerol, pH7.3
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES



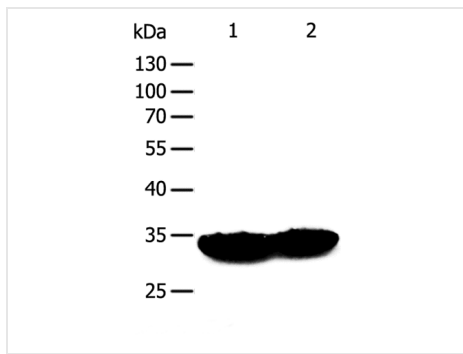
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human breast cancer using TPM1 Polyclonal Antibody at dilution of 1:40



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human gastric cancer using TPM1 Polyclonal Antibody at dilution of 1:40



WB (Western Blot)

Western Blot analysis of Mouse heart and muscle tissue using TPM1 Polyclonal Antibody at dilution of 1:400

ADDITIONAL INFORMATION

Related Product Information for anti-TPM1 antibody	This gene is a member of the tropomyosin family of highly conserved, widely distributed actin-binding proteins involved in the contractile system of striated and smooth muscles and the cytoskeleton of non-muscle cells. Tropomyosin is composed of two alpha-helical chains arranged as a coiled-coil. It is polymerized end to end along the two grooves of actin filaments and provides stability to the filaments. The encoded protein is one type of alpha helical chain that forms the predominant tropomyosin of striated muscle, where it also functions in association with the troponin complex to regulate the calcium-dependent interaction of actin and myosin during muscle contraction. In smooth muscle and non-muscle cells, alternatively spliced transcript variants encoding a range of isoforms have been described. Mutations in this gene are associated with type 3 familial hypertrophic cardiomyopathy.
Product Categories/Family for anti-TPM1 antibody	Epigenetics

NCBI AND UNIPROT INFORMATION

NCBI GI #	669633301
NCBI GeneID	7168
NCBI Accession #	NP_001288218.1
NCBI GenBank Nucleotide #	NM_001301289.1
Molecular Weight	32,866 Da
NCBI Official Full Name	tropomyosin alpha-1 chain isoform Tpm1.8cy
NCBI Official Synonym Full Names	tropomyosin 1 (alpha)
NCBI Official Symbol	TPM1
NCBI Official Synonym Symbols	CMH3; TMSA; CMD1Y; LVNC9; C15orf13; HTM-alpha
NCBI Protein Information	tropomyosin alpha-1 chain; alpha-tropomyosin; cardiomyopathy, hypertrophic 3; sarcomeric tropomyosin kappa
UniProt Protein Name	Tropomyosin alpha-1 chain
UniProt Gene Name	TPM1
UniProt Synonym Gene Names	C15orf13; TMSA
UniProt Entry Name	TPM1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/tpm1-antibody-immunohistochemistry-western-blot-elisa/167423>