

Rabbit TPM1 Polyclonal Antibody | anti-TPM1 antibody

TPM1 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA198885	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep, Zebrafish	Western Blot, Immunohistochemistry

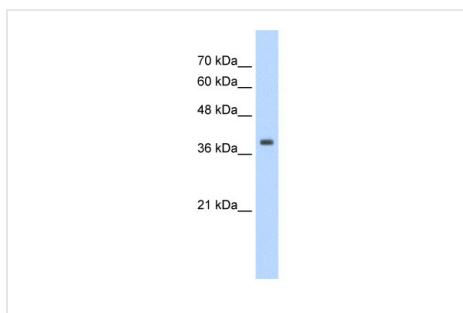
PRODUCT SYNONYMS

TPM1; Polyclonal Antibody; TPM1 antibody - N-terminal region; anti-TPM1 antibody

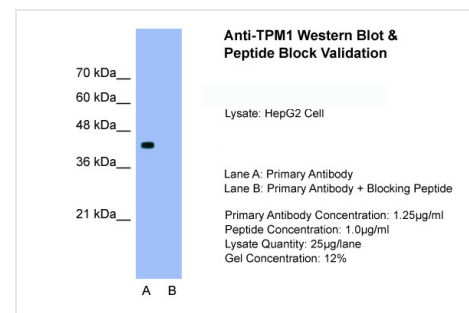
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep, Zebrafish
Clonality	Polyclonal
Purity/Purification	Protein A purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: DR AEQAEADKKA AEDRSKQLED ELVSLQKKLK GTEDELDKYS EALKDAQE
Sequence Length	284
Applicable Applications for anti-TPM1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 93%; Dog: 100%; Guinea Pig: 100%; Horse: 93%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Sheep: 93%; Zebrafish: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human TPM1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

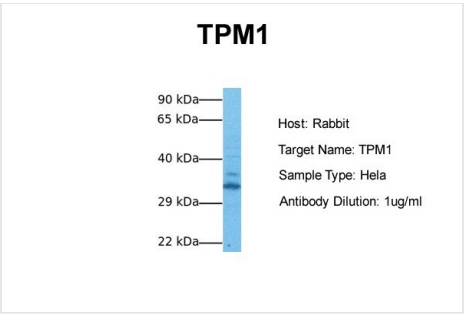
IMAGES


WB (Western Blot)

WB Suggested Anti-TPM1 Antibody Titration: 1.25ug/ml Positive Control: HepG2 cell lysate

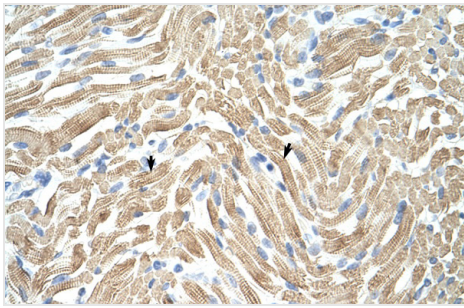

WB (Western Blot)

Host: Rabbit Target Name: TPM1 Sample Type: HepG2 Lane A: Primary Antibody Lane B: Primary Antibody + Blocking Peptide Primary Antibody Concentration: 1.25ug/mL Peptide Concentration: 1.0ug/mL Lysate Quantity: 25ug/lane Gel Concentration: 12%



WB (Western Blot)

Host: RabbitTarget Name: TPM1Sample Tissue: Human HelaAntibody Dilution: 1.0ug/ml



IHC (Immunohistochemistry)

Rabbit Anti-TPM1 AntibodyParaffin Embedded Tissue: Human MuscleCellular Data: Skeletal muscle cellsAntibody Concentration: 4.0-8.0 ug/mlMagnification: 400X

ADDITIONAL INFORMATION

Related Product Information for anti-TPM1 antibody	This is a rabbit polyclonal antibody against TPM1. It was validated on Western Blot and immunohistochemistry
	Target Description: TPM1 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 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.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	Polyclonal; Cardiovascular; Disease Related; DNA/RNA/Protein Interactions; Tissue Specific & Cell Marker; Immunohistochemistry

NCBI AND UNIPROT INFORMATION

NCBI GI #	27597085
NCBI GeneID	7168
NCBI Accession #	NP_000357
NCBI GenBank Nucleotide #	NM_000366
UniProt Accession #	P09493
Molecular Weight	31kDa
NCBI Official Full Name	tropomyosin alpha-1 chain isoform Tpm1.5cy
NCBI Official Synonym Full Names	tropomyosin 1
NCBI Official Symbol	TPM1
NCBI Official Synonym Symbols	CMH3; TMSA; CMD1Y; LVNC9; C15orf13; HEL-S-265; HTM-alpha
NCBI Protein Information	tropomyosin alpha-1 chain
UniProt Protein Name	Tropomyosin alpha-1 chain
UniProt Gene Name	TPM1
UniProt Synonym Gene Names	C15orf13; TMSA

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-western-blot-immunohistochemistry-elisa/198885>