

## Rabbit TPM1 Polyclonal Antibody | anti-TPM1 antibody

TPM1 Polyclonal Antibody

|                               |                       |                                        |                                                                  |
|-------------------------------|-----------------------|----------------------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA169958</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot, ELISA</b> |
|-------------------------------|-----------------------|----------------------------------------|------------------------------------------------------------------|

### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

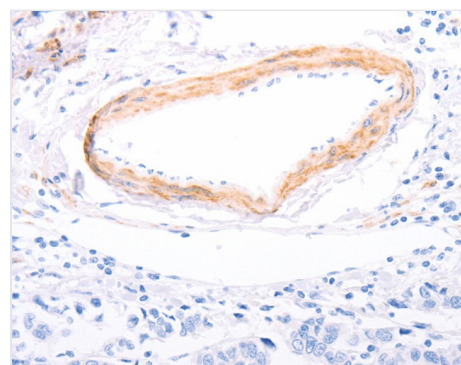
|                                                |                                                                                           |
|------------------------------------------------|-------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                    |
| Reactivity                                     | Human, Mouse, Rat                                                                         |
| Clonality                                      | Polyclonal                                                                                |
| Isotype                                        | IgG                                                                                       |
| Purity/Purification                            | Antigen affinity purification                                                             |
| Concentration                                  | 2.3mg/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



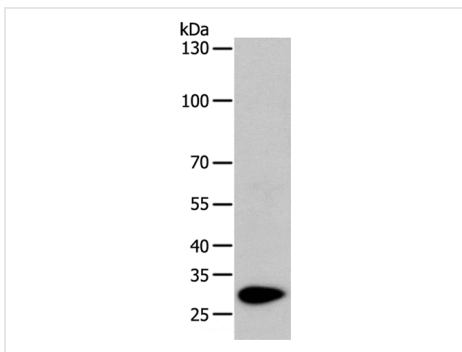
#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human gastric cancer using TPM1 Polyclonal Antibody at dilution of 1:80



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human breast cancer using TPM1 Polyclonal Antibody at dilution of 1:80



#### WB (Western Blot)

Western Blot analysis of Mouse heart tissue using TPM1 Polyclonal Antibody at dilution of 1:1000

## 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                | <b>TPM1</b>                                                                                                |
| 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.