TPM1 Polyclonal Antibody

catalog number: E-AB-14422

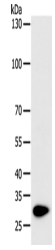
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	Recombinant protein of human TPM1
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

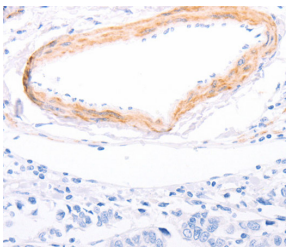
Applications	Recommended Dilution
WB	1:1000-1:5000
IHC	1:50-1:200

Data

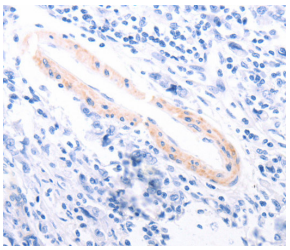


Western Blot analysis of Mouse heart tissue using TPM1 Polyclonal Antibody at dilution of 1:1000

Calculated-MV:33 kDa



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



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

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

Background

For Research Use Only

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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.

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