

TPM1 Recombinant Rabbit mAb

Catalog: BS50043

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

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 and dilated cardiomyopathy 1Y. [provided by RefSeq, Jun 2022]

Product:

1mg/ml in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA.

Molecular Weight:

33 kDa

Swiss-Prot:

P09493

Purification&Purity:

Affinity Purification

Applications:

WB: 1:1000-1:10000 IHC-P: 1:500-1:2000

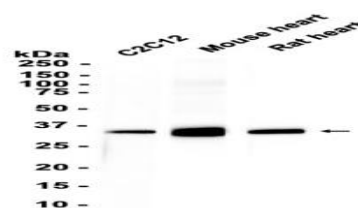
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

The antibody detects endogenous levels of it.

DATA:



Western blot analysis of extracts from C2C12 cells and Mouse heart, Rat heart tissues using it at 1:1000.

Note:

For research use only, not for use in diagnostic procedure.

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