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Datasheet

TPM1 mouse monoclonal antibody (hybridoma)

Catalog Number: H00007168-M

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a full-length recombinant TPM1.

Immunogen: TPM1 (NP_001018008.1, 1 a.a. ~ 245 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:
MAGSSSLEAVRRKIRSLQEQADAAEERAGTLQRELDH
ERKLRETAEADVASLNRRIQLVEEELDRAQERLATALQ
KLEEAEKAADESERGMKVIESRAQKDEEKMEIQEIQLK
EAKHIAEDADRKYEEVARKLVIIESDLERAEERAELSEG
KCAELEEELKTVTNNLKSLEAQAEKYSQKEDRYEEEIK
VLSDKLKEAETRAEFAERSVTKLEKSIDDLEDQLYQQL
EQNRRLTNELKLALNED

Host: Mouse

Deliverables: Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.

Reactivity: Human

Applications: ELISA, WB-Re, WB-Tr
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Entrez GeneID: 7168

Gene Symbol: TPM1

Gene Alias: C15orf13, CMD1Y, HTM-alpha, TMSA

Gene Summary: 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. [provided by RefSeq]