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Product datasheet for AM20677PU-N

TPM1 (Sarcomeric) Mouse Monoclonal Antibody [Clone ID: ST-39]

Product data:

Product Type:	Primary Antibodies
Clone Name:	ST-39
Applications:	IF, IHC, IP, WB
Recommended Dilution:	Western Blot: 1 - 2 µg/ml. Immunohistochemistry on frozen and paraffin sections: 2 - 4 µg/ml.
Reactivity:	Chicken, Human, Rabbit, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Chicken muscle tropomyosin
Specificity:	This antibody reacts to Tropomyosin-1.
Formulation:	1.2 % sodium acetate, with 2 mg BSA and 0.01 mg sodium azide as preservative State: Purified State: Lyphilized purified Ig fraction
Reconstitution Method:	Restore with 1.2% sodium acetate or neutral PBS.
Concentration:	0,1 mg/ml (after reconstitution with PBS)
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at -20°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	tropomyosin 1 (alpha)
Database Link:	Entrez Gene 24851 RatEntrez Gene 7168 Human P09493

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Background:	The tropomyosins are a family of actin filament binding proteins. These proteins were first isolated from skeletal muscle, but later identified in many nonmuscle tissues. Tropomyosins are ubiquitous proteins of 35 to 45 kD associated with the actin filaments of myofibrils and stress fibers. Vertebrates have at least 4 different tropomyosin genes; in humans, they are named TPM1, TPM2, TPM3, and TPM4. Tropomyosins expressed as different isoforms in muscle and non-muscle cells.
Synonyms:	Tropomyosin alpha-1 chain, Alpha-tropomyosin, TMSA, C15orf13
Protein Families:	Druggable Genome
Protein Pathways:	Cardiac muscle contraction, Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM)