Datasheet for 600-401-J52

Tropomyosin-1 alpha phospho S283 Antibody

Overview

Description:	Anti-Tropomyosin-1 alpha phosphoS283 (RABBIT) Antibody - 600-401-J52
Item No.:	600-401-J52
Size:	50 µg
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Anti-Tropomyosin-1 alpha pS283 antibody attaches to actin filaments in muscle and non-muscle cells, a large factor in the calcium dependent regulation of muscle contraction. Anti-Tropomyosin-1 alpha pS283 antibody is ideal for researchers interested in Signal Transduction and Cardiovascular research.
Synonyms:	rabbit anti-Tropomyosin-1 alpha pS283 antibody, rabbit anti-Tropomyosin1 alpha pS283 antibody, Tropomyosin α-1 chain, Alpha-tropomyosin, α-tropomyosin, Tropomyosin-1, TPM1, TPM-1, C15orf13, TMSA
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TPM1
Reactivity:	Human
PTM Specificity:	Phosphorylation
Immunogen Type:	Conjugated Peptide
Immunogen:	Tropomyosin-1 alpha pS283 affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic phoshpo-peptide surrounding S283 human Tropomyosin-1 alpha pS283.

Purity/Specificity:	Anti-Tropomyosin-1 alpha pS283 was affinity purified from monospecific antiserum by immunoaffinity chromatography and is directed against the phosphorylated form of human S283 residue. A BLAST analysis was used to suggest cross-reactivity with mouse and human based on 100% sequence homology. Cross-reactivity with Tropomyosin-1 alpha pS283 from other sources has not been determined.
Relevant Links:	• UniProtKB - P09493 • NCBI - NP_000357.3 • GeneID - 7168

Application Details

Application Note:	Anti-Tropomyosin-1 alpha pS283 antibody is useful for ELISA, immunohistochemistry, and Western Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~32.7kDa corresponding to the appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1: 10,000
WB:	1ug/ml

Formulation

Physical State:	Lyophilized
Concentration:	0.80mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	50µL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Disclaimer

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