

## Datasheet for 600-401-J52

## Tropomyosin-1 alpha phospho S283 Antibody

### Overview

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

### Product Details

<b>Background:</b>	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.
<b>Synonyms:</b>	rabbit anti-Tropomyosin-1 alpha pS283 antibody, rabbit anti-Tropomyosin1 alpha pS283 antibody, Tropomyosin $\alpha$ -1 chain, Alpha-tropomyosin, $\alpha$ -tropomyosin, Tropomyosin-1, TPM1, TPM-1, C15orf13, TMSA
<b>Host Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	IgG

### Target Details

<b>Gene Name:</b>	TPM1
<b>Reactivity:</b>	Human
<b>PTM Specificity:</b>	Phosphorylation
<b>Immunogen Type:</b>	Conjugated Peptide
<b>Immunogen:</b>	Tropomyosin-1 alpha pS283 affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic 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.

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## Disclaimer

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