

Tropomyosin Rabbit pAb

Catalog Number: bs-9622R

Target Protein: Tropomyosin

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human (predicted: Mouse, Rat, Sheep, Zebrafish, Dog)

Predicted MW: 33 kDa

Entrez Gene: 7168

Swiss Prot: P09493

Source: KLH conjugated synthetic peptide derived from human Tropomyosin: 201-284/284.

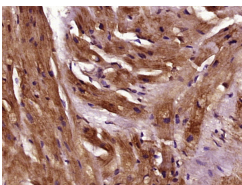
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Binds to actin filaments in muscle and non-muscle cells. Plays a central role, in association with the troponin complex, in the calcium dependent regulation of vertebrate striated muscle contraction. Smooth muscle contraction is regulated by interaction with caldesmon. In non-muscle cells is implicated in stabilizing cytoskeleton actin filaments.

VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (human myocardial); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Tropomyosin) Polyclonal Antibody, Unconjugated (bs-9622R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=5.6] Rong Tang, et al. Single-cell transcriptomics uncover hub genes and cell-cell crosstalk in patients with hypertensive nephropathy. INT IMMUNOPHARMACOL. 2023 Dec;125:111104 IHC ; Human, Mouse . 10.1016/j.intimp.2023.111104