bs-17158R **[Primary Antibody]**

Tropomyosin 3 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 7170 **SWISS:** P06753

Target: Tropomyosin 3

Immunogen: KLH conjugated synthetic peptide derived from human Tropomyosin 3: 201-285/285.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

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: This gene encodes a member of the tropomyosin family of actin-binding proteins. Tropomyosins are dimers of coiled-coil proteins that provide stability to actin filaments and regulate access of other actin-binding proteins. Mutations in this gene result in autosomal dominant nemaline myopathy and other muscle disorders. This locus is involved in translocations with other loci, including anaplastic lymphoma receptor tyrosine kinase (ALK) and neurotrophic tyrosine kinase receptor type 1 (NTRK1), which result in the formation of fusion proteins that act as oncogenes. There are numerous pseudogenes for this gene on different chromosomes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2013]

Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
ICC/IF (1:100-500)
ELISA (1:5000-10000)

Reactivity: (predicted: Human, Mouse, Rat, Pig, Cow, Chicken, Dog, Horse)

Predicted MW.: 33 kDa

Subcellular Location: Cytoplasm

SELECTED CITATIONS

- **[IF=8.5]** Wenxiu Ru. et al. METTL3-mediated m6A modification regulates muscle development by promoting TM4SF1 mRNA degradation in P-body via YTHDF2. INT J BIOL MACROMOL. 2025 Jan;:139576 IHC ;Mouse. 39778834