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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB12033 - Goat Anti-TNNT3 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: TNNT3, troponin T type 3 (skeletal, fast), TNNTF, beta TnTF, beta-TnTF, fTnT, fast skeletal muscle troponin T, troponin T, fast skeletal muscle, troponin-T3, skeletal, fast

Official Symbol: TNNT3

Accession Number(s): NP_006748.1; NP_001036246.1; NP_001036247.1

Human GeneID(s): [7140](#)

Non-Human GeneID(s): 21957 (mouse), 24838 (rat)

Important Comments: This antibody is expected to recognize isoform 1, 2 and 4 (NP_006748.1; NP_001036246.1; NP_001036247.1). Reported variants represent identical protein: NP_001284575.1, NP_001036247.1

Immunogen

Peptide with sequence C-TTLRSRIDQAQKHSK, from the C Terminus of the protein sequence according to NP_006748.1; NP_001036246.1; NP_001036247.1.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:128000.

Western blot: Approx 35kDa band observed in Human, Mouse and Rat Skeletal Muscle lysates (calculated MW of 30.6kDa according to NP_006748.1). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Marian et al, Circ Res. 1997 Jul;81(1):76-85. PMID: 9201030.). Recommended concentration: 0.01-0.03µg/ml.

IHC: In paraffin embedded Human Skeletal Muscle shows staining of select fibrils. Recommended concentration, 4-8µg/ml.

Species Reactivity

Tested: Human, Mouse, Rat

Expected from sequence similarity: Human, Mouse, Rat

EB12033 (0.01µg/ml) staining of Human (A), Mouse (B) and Rat (C) Skeletal Muscle lysates (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

EB12033 (5µg/ml) staining of paraffin embedded Human Skeletal Muscle. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.