

International Office

Everest Biotech Ltd

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

Customer Service:

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

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), TNTF, 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 GenelD(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.

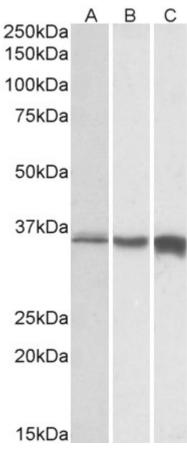
Western blot: Approx 35kDa band observed in Human, Mouse and Rat Skeletal Muscle lysates (calculated MW of 30.6kDa according to NP_006748.1). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Marian et al, Circ Res. 1997 Jul;81(1):76-85. PMID: 9201030.).Recommended 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 ($5\mu g/ml$) staining of paraffin embedded Human Skeletal Muscle. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.