

## UK Office

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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.

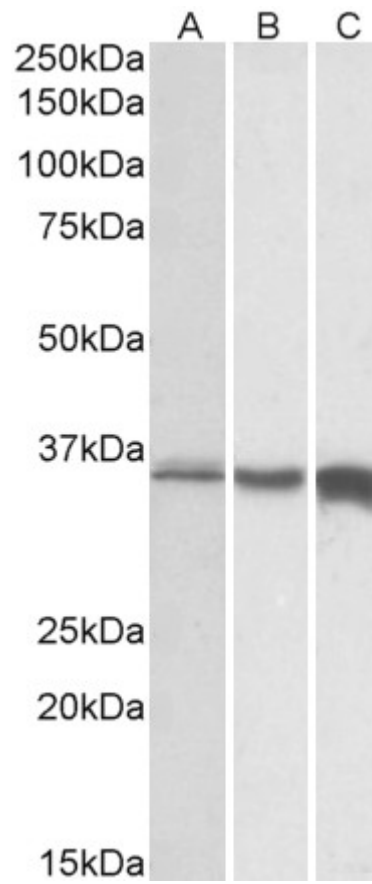
**Western blot:** Approx 35kDa band observed in Human, Mouse and Rat Skeletal Muscle lysates (calculated MW of 30.6kDa according to NP\_006748.1). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Marian et al, Circ Res. 1997 Jul;81(1):76-85. PMID: 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.

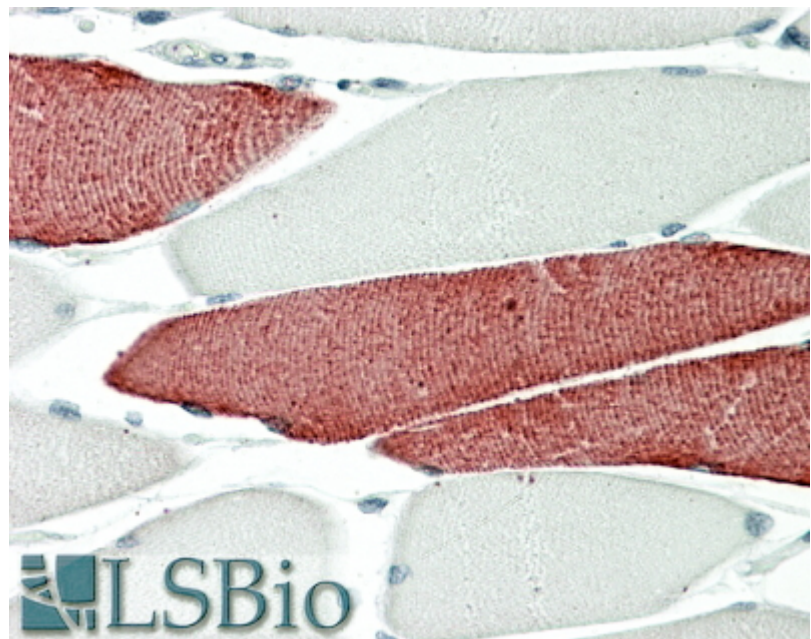
### Species Reactivity

**Tested:** Human, Mouse, Rat

**Expected from sequence similarity:** Human, Mouse, Rat



EB12033 (0.01 $\mu$ g/ml) staining of Human (A), Mouse (B) and Rat (C) Skeletal Muscle lysates (35 $\mu$ g 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.