

#### **UK Office**

#### **Everest Biotech Ltd**

Cherwell Innovation Centre 77 Heyford Park Upper Heyford Oxfordshire OX25 5HD

UK

Enquiries:

info@everestbiotech.com

Sales:

sales@everestbiotech.com

Tech support:

support@everestbiotech.com

Tel: +44 (0)1869 238326

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

# EB12036 - Goat Anti-TNNI2 Antibody

Size: 100µg specific antibody in 200µl



### **Target Protein**

**Principal Names:** TNNI2, troponin I type 2 (skeletal, fast), AMCD2B, DA2B, FSSV, fsTnI, fast-twitch skeletal muscle troponin I, troponin I fast twitch 2, troponin I, fast skeletal muscle, troponin I, fast-twitch isoform, troponin I, fast-twitch skeletal muscle isoform,

troponin I, skeletal, fast **Official Symbol:** TNNI2

Accession Number(s): NP\_003273.1; NP\_001139313.1

Human GeneID(s): 7136

Non-Human GenelD(s): 21953 (mouse), 29389 (rat)

**Important Comments:** This antibody is expected to recognize both reported isoforms (NP\_003273.1; NP\_001139313.1). Reported variants represent identical protein: NP\_001139301.1, NP\_003273.1.

### **Immunogen**

Peptide with sequence KRNRAITARRQHLKS-C, from the N Terminus of the protein sequence according to NP\_003273.1; NP\_001139313.1.

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. 25kDa band observed in Human, Mouse and Rat Skeletal Muscle lysates (calculated MW of 21.3kDa according to NP\_003273.1). Recommended concentration: 0.03-0.1µg/ml. Primary incubation was 1 hour. This antibody has been successfully used in WB on Mouse, PMID: 34145356.

# **Species Reactivity**

Tested: Human, Mouse, Rat

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

#### **Specific Reference**

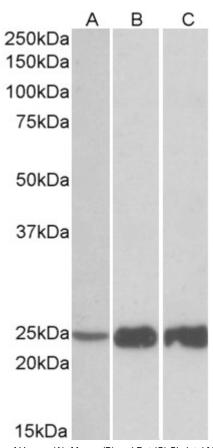
This antibody has been successfully used in Western blot on Mouse:

Tannaz Norizadeh Abbariki, Zita Gonda, Denise Kemler, Pavel Urbanek, Tabea Wagner, Margarethe Litfn, Zhao∎Qi Wang, Peter Herrlich & Olivier Kassel

The LIM domain protein nTRIP6 modulates the dynamics of myogenic differentiation.

Sci Rep. 2021 Jun 18;11(1):12904.

PMID: 34145356



EB12036 ( $0.03\mu g/ml$ ) staining of Human (A), Mouse (B) and Rat (C) Skeletal Muscle lysate ( $35\mu g$  protein in RIPA buffer). Detected by chemiluminescence.