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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

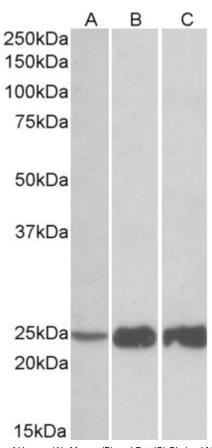
This antibody has been successfully used in Western blot on Mouse:

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.