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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 GeneID(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 (0.03µg/ml) staining of Human (A), Mouse (B) and Rat (C) Skeletal Muscle lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.