

## UK Office

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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, fsTnl, 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

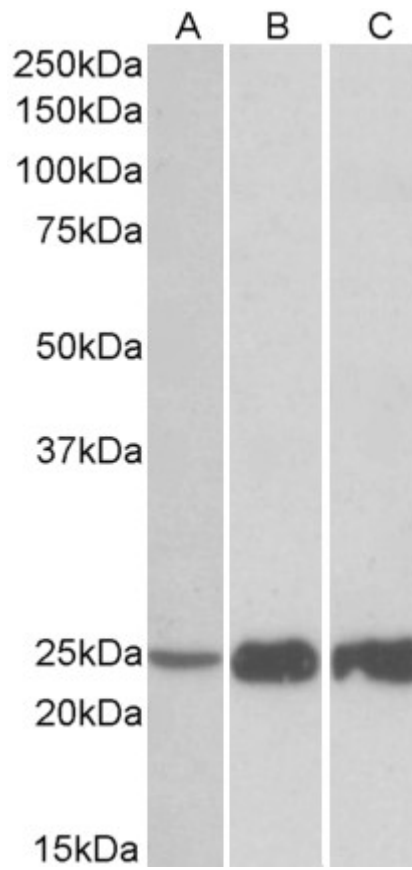
### Specific Reference

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