

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB11810 - Goat Anti-cardiac troponin T Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** cardiac muscle troponin T, cardiomyopathy, dilated 1D (autosomal dominant), cardiomyopathy, hypertrophic 2, CMH2, CMPD2, cTnT, LVNC6, MGC3889, OTTHUMP00000033864, OTTHUMP00000033865, OTTHUMP00000033866, OTTHUMP00000033867, OTTHUMP00000033870, OTTHUMP00000218095, RCM3, TNNT2, TnTC, troponin T type 2 (cardiac), troponin T, cardiac muscle, troponin T2, cardiac

**Official Symbol:** TNNT2

**Accession Number(s):** NP\_000355.2; NP\_001001430.1; NP\_001001431.1;  
NP\_001001432.1

**Human GeneID(s):** [7139](#)

**Non-Human GeneID(s):** 21956 (mouse), 24837 (rat)

**Important Comments:** This antibody is expected to recognize all reported isoforms (NP\_000355.2; NP\_001001430.1; NP\_001001431.1; NP\_001001432.1).

### Immunogen

Peptide with sequence C-RNRINDNQKVSKT, from the C Terminus of the protein sequence according to NP\_000355.2; NP\_001001430.1; NP\_001001431.1; NP\_001001432.1.

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

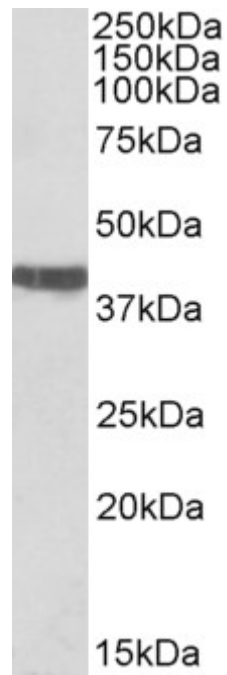
**Peptide ELISA:** antibody detection limit dilution 1:128000.

**Western blot:** Approx 40kDa band observed in Human, fetal Mouse and adult Rat and Pig Heart lysates (calculated MW of 35.6kDa according to Human NP\_000355.2 and 35.7kDa according to Rat NP\_036808.1). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Luedde et al, Cardiovasc Res. 2010 Jun 1;86(3):452-60. PMID:20083571). Recommended concentration: 0.03-0.1µg/ml.

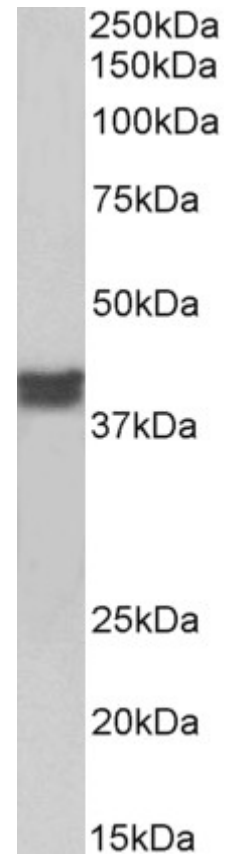
### Species Reactivity

**Tested:** Human, Mouse, Rat, Pig

**Expected from sequence similarity:** Human, Mouse, Rat, Cat, Dog, Pig, Cow



EB11810 (0.03µg/ml) staining of Rat Heart lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB11810 (0.01µg/ml) staining of Pig Heart lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.