

#### **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 Fax: +44 (0)1869 238327

#### **US Office**

#### **Everest Biotech c/o Abcore**

405 Maple Street, Suite A106 Ramona,

CA 92065

USA

Inquiries:

info@everestbiotech.com

Sales:

 $\underline{usasales@everest biotech.com}$ 

Tech support:

support@everestbiotech.com

Tel: 888-320-4628 (toll-free) Fax: 888-841-9041

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

# EB11809 - Goat Anti-cardiac troponin T (aa201-213) 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 GenelD(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-TERKSGKRQTERE, from the internal region 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**

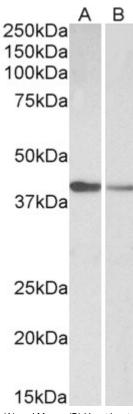
Peptide ELISA: antibody detection limit dilution 1:128000.

Western blot: Approx 40kDa band observed in Human, Mouse and Pig Heart lysates (calculated MW of 35.6kDa according to Human NP\_000355.2). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Luedde, Cardiovasc Res. 2010 Jun 1;86(3):452-60. PMID: 20083571). Recommended concentration: 0.1-0.3μg/ml.

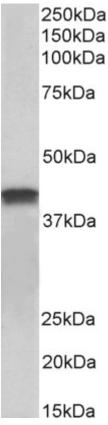
## **Species Reactivity**

Tested: Human, Mouse, Pig

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



EB11809 (0.1 $\mu$ g/ml) staining of Human (A) and Mouse (B) Heart lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB11809 (0.1µg/ml) staining of Pig Heart lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour.

Detected by chemiluminescence.