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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

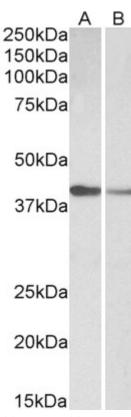
Peptide ELISA: antibody detection limit dilution 1:128000.

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 μ g/ml) staining of Human (A) and Mouse (B) Heart lysate (35 μ 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.