

## Goat anti-cardiac troponin T (aa201-213) Antibody

**Item Number** dAP-3228

**Target Molecule** Principle Name: cardiac troponin T (aa201-213); Official Symbol: TNNT2; All Names and Symbols: TNNT2; troponin T type 2 (cardiac); CMH2; CMPD2; LVNC6; MGC3889; RCM3; TnTC; cTnT; OT-THUMP0000033864; OTTHUMP0000033865; OTTHUMP0000033866; OTTHUMP0000033867; OTTHUMP0000033870; OTTHUMP0000218095; cardiac muscle troponin T; cardiomyopathy, dilated 1; Accession Number (s): NP\_000355.2; NP\_001001430.1; NP\_001001431.1; NP\_001001432.1; Human

**Immunogen** TERKSGKRQTERE, is from internal region  
This antibody is expected to recognize all reported isoforms (NP\_000355.2; NP\_001001430.1; NP\_001001431.1; NP\_001001432.1).

**Applications** Pep ELISA, WB

Species Tested: Human, Mouse, Pig

**Purification** Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

**Supplied As** lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.

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

**Western Blot** 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, Cardi

**IHC**

**Reference** Reference(s): Zhang J, Zhang H, Ayaz-Guner S, Chen YC, Dong X, Xu Q, Ge Y Phosphorylation, but not alternative splicing or proteolytic degradation, is conserved in human and mouse cardiac troponin T. *Biochemistry*. 2011 Jul 12;50(27):6081-92.. PMID: 21639091->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**