



Goat anti-cardiac troponin T Antibody

Item Number	dAP-2743
Target Molecule	Principle Name: cardiac troponin T; Official Symbol: TNNT2; All Names and Symbols: TNNT2; troponin T type 2 (cardiac); CMH2; CMPD2; LVNC6; MGC3889; RCM3; TnTC; cTnT; OTTHUMP00000033864; OTTHUMP00000033865; OTTHUMP00000033866; OTTHUMP00000033867; OTTHUMP00000033870; OTTHUMP00000218095; cardiac muscle troponin T; cardiomyopathy, dilated 1; Accession Number (s): NP_000355.2; NP_001001430.1; NP_001001431.1; NP_001001432.1; Human Gene ID(s): 7139; Non-
Immunogen	RNRINDNQKVSKT, is from C Terminus 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, Rat, 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, 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 fi
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 ender users! This product is sold for **Research Use Only**