

Goat anti-TRPC7 Antibody

Item Number	dAP-1797
Target Molecule	Principle Name: TRPC7; Official Symbol: TRPC7; All Names and Symbols: TRPC7; transient receptor potential cation channel, subfamily C, member 7; TRP7; likely ortholog of mouse transient receptor potential cation channel, subfamily C, member 7; putative capacitative calcium channel; Accession Number (s): NP_065122.1; NP_001161049.1; NP_001161048.1; Human Gene ID(s): 57113; Non-Human GeneID(s): 26946 (mouse) 282822 (rat)
Immunogen	KLCKSKAKSCEND, is from internal region This antibody is expected to cross-react with isoform 1, 2 and 3 (NP_065122.1; NP_001161049.1; NP_001161048.1).
Applications	Pep ELISA, WB, IP Species Tested: Chicken
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 32000.
Western Blot	Western Blot: A 95kDa band has been observed in Chicken Embryo Heart lysates in the following paper: Sabourin et al, Cardiovasc Res. 2011 Jun 13, PMID 21672930.
IHC	
Reference	Reference(s): Eder P, Groschner K. TRPC3/6/7: Topical aspects of biophysics and pathophysiology. Channels (Austin). 2008 Mar 29;2(2). [Epub ahead of print]..PMID: 18849655->

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**