

Goat anti-TRPC4 Antibody

Item Number	dAP-1533
Target Molecule	Principle Name: TRPC4; Official Symbol: TRPC4; All Names and Symbols: TRPC4; transient receptor potential cation channel, subfamily C, member 4; HTRP4; MGC119570; MGC119571; MGC119572; MGC119573; TRP4; transient receptor potential 4; Accession Number (s): NP_057263.1; NP_003297.1; NP_001129427.1; NP_001129429.1; NP_001129428.1; NP_001129430.1; Human Gene ID(s): 7223; Non-Human GeneID(s): 22066 (mouse) 84494 (rat)
Immunogen	KHAKEEDSSIDYD, is from internal region (near C Terminus) This antibody is expected to recognise all six reported isoforms (NP_057263.1; NP_003297.1; NP_001129427.1; NP_001129429.1; NP_001129428.1; NP_001129430.1).
Applications	Pep ELISA, WB, IHC Species Tested: Human, Rat
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: Approx. 110kDa band observed in Rat Brain lysates (calculated MW of 112kDa according to Human NP_057263.1 and to Rat NP_536321.1). Recommended concentration: 0.3-1µg/ml. Primary incubation was 1 hour.
IHC	Immunohistochemistry: Paraffin embedded Human Placenta and Kidney. Recommended concentration: 4.75µg/ml.
Reference	Reference(s): Song X, Zhao Y, Narcisse L, Duffy H, Kress Y, Lee S, Brosnan CF. Canonical transient receptor potential channel 4 (TRPC4) co-localizes with the scaffolding protein ZO-1 in human fetal astrocytes in culture. Glia. 2005 Feb;49(3):418-29.PMID: 15540229->

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**