

Goat anti-KCNMA1 Antibody

Item Number	dAP-1720
Target Molecule	Principle Name: KCNMA1; Official Symbol: KCNMA1; All Names and Symbols: KCNMA1; potassium large conductance calcium-activated channel, subfamily M, alpha member 1; BKTM; DKFZp686K1437; KCa1.1; MGC71881; MaxiK; SAKCA; SLO; SLO-ALPHA; SLO1; mSLO1; BKCA alpha subunit; Drosophila slowpoke-like; OTTHUMP00000060198; OTTHUMP00000064; Accession Number (s): NP_001014797.1; Human Gene ID(s): 3778; Non-Human GeneID(s): 16531 (mouse) 83731 (rat)
Immunogen	RESRDKQNRKEMVYR, is from C Terminus This antibody is expected to recognize isoform a (NP_001014797.1) only.
Applications	Pep ELISA Species Tested:
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 2000.
Western Blot	Western Blot: Preliminary experiments in Human Brain (Cerebellum, Cerebral Cortex, Frontal Cortex) lysates gave no specific signal but low background (at antibody concentration up to 1µg/ml). We would appreciate any feedback from people in the field - ha
IHC	
Reference	Reference(s): Yuan C, O'Connell RJ, Wilson A, Pietrzykowski AZ, Treistman SN. Acute alcohol tolerance is intrinsic to the BKCa protein, but is modulated by the lipid environment. J Biol Chem. 2008 Feb 22;283(8):5090-8. Epub 2007 Dec 15..PMID: 18084004->

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**