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KCNMA1 Antibody

CATALOG NUMBER: 42-044

Specifications

SPECIES REACTIVITY:	
TESTED APPLICATIONS:	ELISA
APPLICATIONS:	ELISA: Antibody detection limit dilution 1:2000. 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 1 ug/mL).
SPECIFICITY:	This antibody is expected to recognize isoform a (NP_001014797.1) only.
IMMUNOGEN:	KCNMA1 antibody was raised against a 15 amino acid synthetic peptide near the C-Terminus of KCNMA1.
HOST SPECIES:	Goat

Properties

PURIFICATION:	KCNMA1 antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
PHYSICAL STATE:	Liquid
BUFFER:	KCNMA1 antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.
CONCENTRATION:	500 ug/mL
STORAGE CONDITIONS:	Aliquot and store at -20˚C. Minimize freezing and thawing.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	stretch-activated Kca channel, large conductance calcium-activated potassium channel subfamily M alpha member 1, bA205K10.1 (potassium large conductance calcium-activaed channel, subfamily M, alpha member 1), OTTHUMP00000064165, OTTHUMP00000064164, OTTHUMP00000064162, OTTHUMP00000064161, OTTHUMP00000064160, OTTHUMP00000064159, OTTHUMP00000064158, OTTHUMP00000064157, OTTHUMP00000064156, OTTHUMP00000064155, OTTHUMP00000064154, OTTHUMP00000060198, Drosophila slowpoke-like, BKCA alpha subunit, mSLO1, SLO1, SLO-ALPHA, SLO, SAKCA, MaxiK, MGC71881, KCa1.1, DKFZp686K1437, BKTM, potassium large conductance calcium-activated channel, alpha member 1, KCNMA1, KCNMA
ACCESSION NO.:	NP_001014797.1
PROTEIN GI NO.:	62388890
OFFICIAL SYMBOL:	KCNMA1
GENE ID:	3778

Background

REFERENCES:	1) Yuan C, O\1Connell 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.

December 13, 2016