

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB08857 - Goat Anti-KCNMA1 Antibody

Size: 100µg specific antibody in 200µl

### Target Protein

**Principal Names:** 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, OTTHUMP00000064154, OTTHUMP00000064155, OTTHUMP00000064156, OTTHUMP00000064157, OTTHUMP00000064158, OTTHUMP00000064159, OTTHUMP00000064160, OTTHUMP00000064161, OTTHUMP00000064162, OTTHUMP00000064164, OTTHUMP00000064165, bA205K10.1 (potassium large conductance calcium-activated channel, subfamily M, alpha member 1), large conductance calcium-activated potassium channel subfamily M alpha member 1, stretch-activated Kca channel

**Official Symbol:** KCNMA1

**Accession Number(s):** NP\_001014797.1

**Human GeneID(s):** [3778](#)

**Non-Human GeneID(s):** 16531 (mouse), 83731 (rat)

**Important Comments:** This antibody is expected to recognize isoform a (NP\_001014797.1) only.

### Immunogen

Peptide with sequence C-RESRDKQNRKEMVYR, from the C Terminus of the protein sequence according to NP\_001014797.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 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.

### Applications Tested

**Peptide 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 1µg/ml). We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates?

### Species Reactivity

**Tested:**

**Expected from sequence similarity:** Human, Mouse, Rat, Cow