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Research Use Only. Not for diagnostic or therapeutic use.

EB09213 - Goat Anti-KCNQ3 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: KCNQ3, potassium voltage-gated channel, KQT-like subfamily, member 3, BFNC2, EBN2, KV7.3, potassium channel, voltage-gated, subfamily Q,

member 3, potassium voltage-gated channel KQT-like protein 3

Official Symbol: KCNQ3

Accession Number(s): NP_004510.1

Human GeneID(s): 3786

Non-Human GenelD(s): 110862 (mouse), 29682 (rat)

Immunogen

Peptide with sequence C-SDSVWTPSNKPI, from the C Terminus of the protein sequence according to NP_004510.1.

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 1:16000.

Western blot: Preliminary experiments gave an approx. 23kDa band in Human Brain (Cerebral Cortex, Amygdala, Hippocampus) lysates after 0.3μg/ml antibody staining. Please note that currently we can not find an explanation in the literature for the band we observe given the calculated size of 96.7kDa according to NP_004510.1. The 23kDa band was successfully blocked by incubation with the immunizing peptide. We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

Species Reactivity

Tested:

Expected from sequence similarity: Human, Mouse, Rat, Pig