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

EB09212 - Goat Anti-KCNQ5 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: KCNQ5, potassium voltage-gated channel, KQT-like subfamily, member 5, Kv7.5, OTTHUMP00000016729, OTTHUMP000000064152, OTTHUMP000000064153, potassium channel protein

Official Symbol: KCNQ5

Accession Number(s): NP_062816.2; NP_001153602.1; NP_001153604.1; NP_1153605.1; NP_001153606.1

Human GeneID(s): [56479](#)

Non-Human GeneID(s): 226922 (mouse), 259273 (rat)

Important Comments: This antibody is expected to cross-react with isoform 1, 2, 3, 4 and 5 (NP_062816.2; NP_001153602.1; NP_001153604.1; NP_1153605.1; NP_001153606.1).

Immunogen

Peptide with sequence C-ESTDALSLPHVKLK, from the C Terminus of the protein sequence according to NP_062816.2; NP_001153602.1; NP_001153604.1; NP_1153605.1; NP_001153606.1.

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 1:64000.

Western blot: Preliminary experiments gave an approx. 22kDa band in Human Brain (Hippocampus and Cerebral Cortex) and Human Skeletal Muscle lysates after 0.3 µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 102kDa according to NP_062816.2. The 22kDa band was successfully blocked by incubation with the immunizing peptide.

Species Reactivity

Tested:

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