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EB08036 - Goat Anti-GIRK2 / KCNJ6 Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: KCNJ6, GIRK2, potassium inwardly-rectifying channel, subfamily J, member 6, BIR1, KATP2, KCNJ7, KIR3.2, MGC126596, hiGIRK2, G protein-activated inward rectifier potassium channel 2, inward rectifier potassium channel KIR3.2, potassium inwardly-
Official Symbol: KCNJ6
Accession Number(s): NP_002231.1
Human GeneID(s): 3763
Non-Human GeneID(s): 16522 (mouse), 25743 (rat)

Immunogen

Peptide with sequence C-SSKLNQHAELET, from the C Terminus of the protein sequence according to NP_002231.1.

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 1:32000.
Western blot: Approx 48kDa band observed in Human Brain (Hippocampus and Substantia Nigra) lysates (calculated MW of 48.5kDa according to NP_002231.1). Recommended concentration: 2-6µg/ml. Primary incubation was 1 hour.

Immunocytochemistry: This antibody has been successfully used in ICC on Human, ChemRxiv. Cambridge: Cambridge Open Engage; 2023.

Species Reactivity

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

Specific Reference

This antibody has been successfully used in ICC on Human:
Andrei Kochegarov, Yaodong Huang, Goutam Biswas, Noboru Sato and Michael Pirrung Differentiation of Human Pluripotent Cell-derived Neural Rosettes to Dopaminergic Neurons by Small Molecules
ChemRxiv. Cambridge: Cambridge Open Engage; 2023
PMID: 0

EB08036 (0.5µg/ml) staining of Human Brain (Substantia Nigra) lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.