

Goat anti-KCNQ5 Antibody

Item Number	dAP-1752
Target Molecule	Principle Name: KCNQ5; Official Symbol: KCNQ5; All Names and Symbols: KCNQ5; potassium voltage-gated channel, KQT-like subfamily, member 5; Kv7.5; OTTHUMP00000016729; OTTHUMP00000064152; OTTHUMP00000064153; potassium channel protein; Accession Number (s): NP_062816.2; NP_001153602.1; NP_001153604.1; NP_1153605.1; NP_001153606.1; Human Gene ID(s): 56479; Non-Human GeneID(s): 226922 (mouse) 259273 (rat)
Immunogen	ESTDALSPLPHVKLK, is from C Terminus 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).
Applications	Pep ELISA Species Tested:
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 64000.
Western Blot	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 literat
IHC	
Reference	Reference(s): Schuetz F, Kumar S, Poronnik P, Adams DJ. Regulation of the voltage-gated K(+) channels KCNQ2/3 and KCNQ3/5 by serum- and glucocorticoid-regulated kinase-1. Am J Physiol Cell Physiol. 2008 Jul;295(1):C73-80..PMID: 18463232->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**