

KCNQ5 Antibody (C-Term)
Peptide-affinity purified goat antibody
Catalog # AF2929a**Specification**

KCNQ5 Antibody (C-Term) - Product Information

Application	E
Primary Accession	O9NR82
Other Accession	NP_062816.2 , NP_001153602.1 , NP_001153604.1 , NP_1153605.1 , NP_001153606.1 , 56479 , 226922 (mouse) , 259273 (rat)
Predicted	Human, Mouse, Rat, Pig, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	102179

KCNQ5 Antibody (C-Term) - Additional Information**Gene ID** 56479**Other Names**

Potassium voltage-gated channel subfamily KQT member 5, KQT-like 5, Potassium channel subunit alpha KvLQT5, Voltage-gated potassium channel subunit Kv7.5, KCNQ5

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

KCNQ5 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

KCNQ5 Antibody (C-Term) - Protein Information**Name** KCNQ5**Function**

Associates with KCNQ3 to form a potassium channel which contributes to M-type current, a slowly activating and deactivating potassium conductance which plays a critical role in determining the subthreshold electrical excitability of neurons. Therefore, it is important in the regulation of neuronal excitability. May contribute, with other potassium channels, to the molecular diversity of

a heterogeneous population of M-channels, varying in kinetic and pharmacological properties, which underlie this physiologically important current. Insensitive to tetraethylammonium, but inhibited by barium, linopirdine and XE991. Activated by niflumic acid and the anticonvulsant retigabine. As the native M-channel, the potassium channel composed of KCNQ3 and KCNQ5 is also suppressed by activation of the muscarinic acetylcholine receptor CHRM1.

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

Strongly expressed in brain and skeletal muscle. In brain, expressed in cerebral cortex, occipital pole, frontal lobe and temporal lobe. Lower levels in hippocampus and putamen. Low to undetectable levels in medulla, cerebellum and thalamus

KCNQ5 Antibody (C-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KCNQ5 Antibody (C-Term) - Images**KCNQ5 Antibody (C-Term) - Background**

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).

KCNQ5 Antibody (C-Term) - References

Regulation of the voltage-gated K(+) channels KCNQ2/3 and KCNQ3/5 by serum- and glucocorticoid-regulated kinase-1. Schuetz F, Kumar S, Poronnik P, Adams DJ. Am J Physiol Cell Physiol. 2008 Jul;295(1):C73-80. PMID: 18463232