

KCNQ5 Conjugated Antibody

Catalog No: #C34920



Package Size: #C34920-AF350 100ul #C34920-AF405 100ul #C34920-AF488 100ul
 #C34920-AF555 100ul #C34920-AF594 100ul #C34920-AF647 100ul
 #C34920-AF680 100ul #C34920-AF750 100ul #C34920-Biotin 100ul

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Description

Product Name	KCNQ5 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total KCNQ5 protein.
Immunogen Description	Synthesized peptide derived from internal of human KCNQ5.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Potassium voltage-gated channel subfamily KQT member 5; Voltage-gated potassium channel subunit Kv7.5; Potassium channel subunit alpha KvLQT5; KQT-like 5
Accession No.	Swiss-Prot#:Q9NR82NCBI Gene ID:56479
Uniprot	Q9NR82
GeneID	56479;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	100
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250
 AF405 conjugated: most applications: 1: 50 - 1: 250
 AF488 conjugated: most applications: 1: 50 - 1: 250
 AF555 conjugated: most applications: 1: 50 - 1: 250
 AF594 conjugated: most applications: 1: 50 - 1: 250
 AF647 conjugated: most applications: 1: 50 - 1: 250
 AF680 conjugated: most applications: 1: 50 - 1: 250
 AF750 conjugated: most applications: 1: 50 - 1: 250

Product Description

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Background

Probably important in the regulation of neuronal excitability. 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. 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. Muscarine suppresses KCNQ5 current in *Xenopus* oocytes in which cloned KCNQ5 channels were coexpressed with M1 muscarinic receptors.

Note: This product is for in vitro research use only