

KCNQ4 Conjugated Antibody

Catalog No: #C34919



Package Size: #C34919-AF350 100ul #C34919-AF405 100ul #C34919-AF488 100ul
 #C34919-AF555 100ul #C34919-AF594 100ul #C34919-AF647 100ul
 #C34919-AF680 100ul #C34919-AF750 100ul #C34919-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	KCNQ4 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total KCNQ4 protein.
Immunogen Description	Synthesized peptide derived from C-terminal of human KCNQ4.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Potassium voltage-gated channel subfamily KQT member 4; Voltage-gated potassium channel subunit Kv7.4; Potassium channel subunit alpha KvLQT4; KQT-like 4
Accession No.	Swiss-Prot#:P56696NCBI Gene ID:9132
Uniprot	P56696
GeneID	9132;
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	80
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. May underlie a potassium current involved in regulating the excitability of sensory cells of the cochlea. KCNQ4 channels are blocked by linopirdin, XE991 and bepridil, whereas clofilium is without significant effect. Muscarinic agonist oxotremorine-M strongly suppress KCNQ4 current in CHO cells in which cloned KCNQ4 channels were coexpressed with M1 muscarinic receptors.

Note: This product is for in vitro research use only