

KCNQ4 Antibody

Catalog No: #34919



Package Size: #34919-1 50ul #34919-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

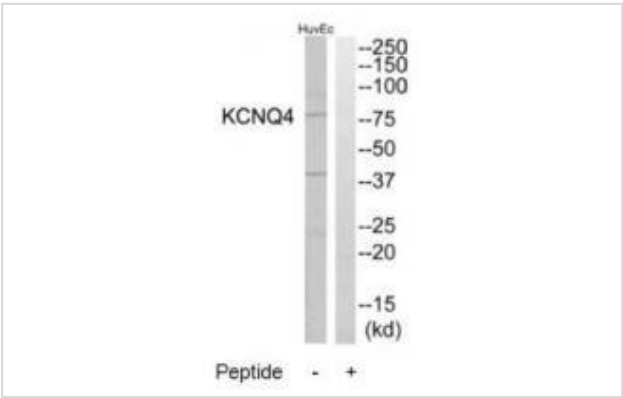
Description

Product Name	KCNQ4 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total KCNQ4 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from C-terminal of human KCNQ4.
Target Name	KCNQ4
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;
SDS-PAGE MW	80kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

Images



Western blot analysis of extracts from HuvEc cells, using KCNQ4 antibody #34919.

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.

Kubisch C., Cell 96:437-446(1999).

Gregory S.G., Nature 441:315-321(2006).

Selyanko A.A., J. Physiol. (Lond.) 522:349-355(2000).

Note: This product is for in vitro research use only