

Anti-KCNQ4/Kv7.4 Antibody

Catalog Number: A03659

About KCNQ4

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).<

Overview

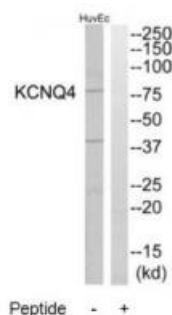
Product Name	Anti-KCNQ4/Kv7.4 Antibody
Reactive Species	Human
Description	Boster Bio Anti-KCNQ4/Kv7.4 Antibody (Catalog # A03659). Tested in WB applications. This antibody reacts with Human.
Application	WB
Clonality	Polyclonal
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P56696

Technical Details

Immunogen	Synthesized peptide derived from C-terminal of human KCNQ4.
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml

Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western blotting: 1:500~1:3000</p>

Anti-KCNQ4/Kv7.4 Antibody (A03659) Images



Western blot analysis of extracts from HuvEc cells, using KCNQ4 antibody A03659.

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-KCNQ4/Kv7.4 Antibody