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KCNH3 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI10804

Product Information

Application	WB
Primary Accession	Q9ULD8
Other Accession	NM_012284, NP_036416
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Dog, Horse, Bovine
Predicted	Mouse, Rat, Pig, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	117129

Additional Information

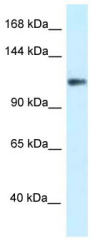
Gene ID	23416
Alias Symbol	BEC1, ELK2, KIAA1282, Kv12.2
Other Names	Potassium voltage-gated channel subfamily H member 3, Brain-specific eag-like channel 1, BEC1, Ether-a-go-go-like potassium channel 2, ELK channel 2, ELK2, Voltage-gated potassium channel subunit Kv12.2, KCNH3, KIAA1282
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-KCNH3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	KCNH3 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	KCNH3 (HGNC:6252)
Synonyms	KIAA1282
Function	Pore-forming (alpha) subunit of a voltage-gated inwardly rectifying potassium channel (PubMed:10455180). Charactherized by a fast rate of activation during depolarization followed by a rapid inactivation at much more depolarized value causing inward rectification due to a C-type inactivation mechanism (PubMed:10455180). Exhibits a rapid recovery from inactivation (PubMed:10455180).

Cellular Location	Cell membrane {ECO:0000250|UniProtKB:Q9WVJ0}; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q9WVJ0} Note=Expression on the cell membrane requires at least one of the three glycosylation sites to carry a sugar chain irrespective of their positions. {ECO:0000250|UniProtKB:Q9WVJ0}
Tissue Location	Detected only in brain, in particular in the telencephalon (PubMed:10455180). Detected in the cerebral cortex, occipital pole, frontal and temporal lobe, putamen, amygdala, hippocampus and caudate nucleus (PubMed:10455180)

Images



WB Suggested Anti-KCNH3 Antibody Titration: 1.0 µg/ml
Positive Control: COLO205 Whole Cell