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KCNH3 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI10804

Specification

KCNH3 antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q9ULD8
Other Accession	NM_012284, NP_036416
Reactivity	**Human, Mouse, Rat, Rabbit, Zebrafish, Horse, Bovine, Dog**
Predicted	**Mouse, Rat, Pig, Horse, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**117kDa KDa**

KCNH3 antibody - N-terminal region - 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.

KCNH3 antibody - N-terminal region - 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}

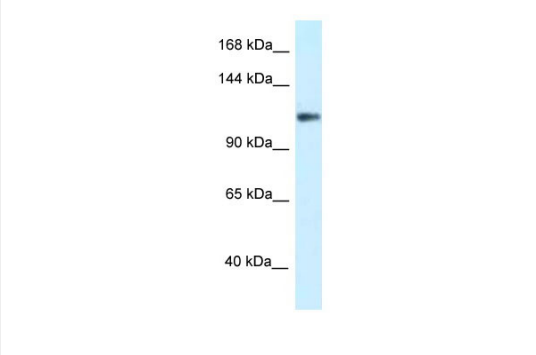
Tissue Location
Detected only in brain, in particular in the telencephalon (PubMed:10455180). Detected in the cerebral cortex, occipital pole, frontal and temporal lobe, putamen, amygdala, hippocampus and caudate nucleus (PubMed:10455180)

KCNH3 antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KCNH3 antibody - N-terminal region - Images



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