

# 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).

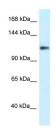
#### **Cellular Location**

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.