

KCNH3 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI11299**Specification**

KCNH3 antibody - middle region - Product Information

Application	WB
Primary Accession	O9ULD8
Other Accession	NM_012284 , NP_036416
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Bovine, Dog
Predicted Host	Human, Mouse, Rat, Pig, Bovine
Clonality	Rabbit
Calculated MW	Polyclonal 117kDa KDa

KCNH3 antibody - middle 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 - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

KCNH3 antibody - middle region - Protein Information**Name** KCNH3 ([HGNC:6252](#))**Synonyms** KIAA1282**Function**

Pore-forming (alpha) subunit of a voltage-gated inwardly rectifying potassium channel (PubMed:10455180).

Characterized 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

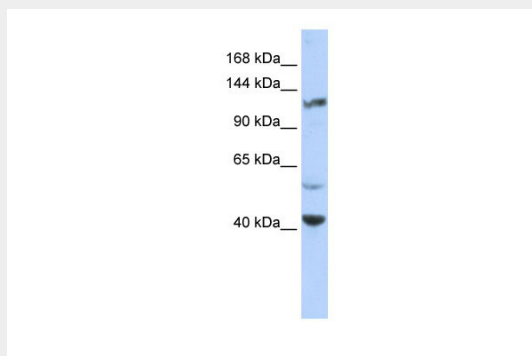
Detected only in brain, in particular in the telencephalon (PubMed:10455180). Detected in the cerebral cortex, occipital pole, frontal and temporal lobe, putamen, amygdala, hippocampus and caudate nucleus (PubMed:10455180)

KCNH3 antibody - middle 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 Cytometry](#)
- [Cell Culture](#)

KCNH3 antibody - middle region - Images



WB Suggested Anti-KCNH3 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:62500
Positive Control: Hela cell lysate

KCNH3 antibody - middle region - References

Gutman, G.A., (2005) Pharmacol. Rev. 57 (4), 473-508 Reconstitution and Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.