

## Product datasheet for **TA322410**

### KCNH3 Rabbit Polyclonal Antibody

#### Product data:

|                       |   |
|-----------------------|---|
| Product Type:         | Primary Antibodies  |
| Applications:         | IHC   |
| Recommended Dilution: | IHC: 10-50<br>Positive control: Human brain<br>Predicted cell location: Cytoplasm   |
| Reactivity:           | Human, Mouse, Rat   |
| Host:                 | Rabbit  |
| Isotype:              | IgG   |
| Clonality:            | Polyclonal  |
| Immunogen:            | Synthetic peptide corresponding to a region derived from 95-144 amino acids of Human potassium voltage-gated channel, subfamily H (eag-related), member 3 |
| Formulation:          | PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol  |
| Concentration:        | lot specific  |
| Purification:         | Antigen affinity purification   |
| Conjugation:          | Unconjugated  |
| Storage:              | Store at -20°C as received.   |
| Stability:            | Stable for 12 months from date of receipt.  |
| Gene Name:            | potassium voltage-gated channel subfamily H member 3  |
| Database Link:        | <a href="#">NP_036416</a><br><a href="#">Entrez Gene 16512 MouseEntrez Gene 27150 RatEntrez Gene 23416 Human Q9ULD8</a>                                   |



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**Background:**

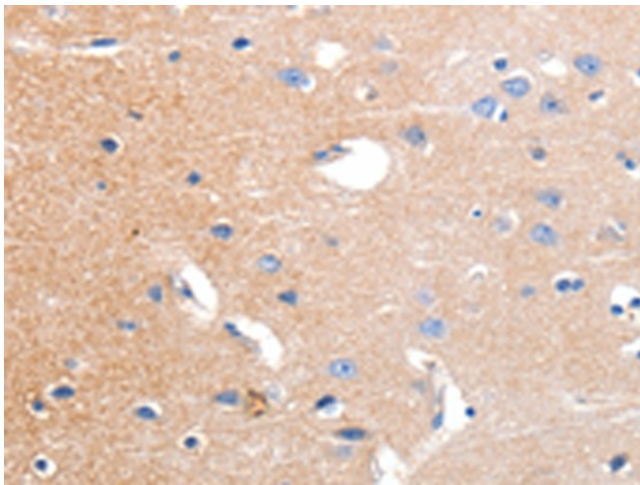
Potassium voltage-gated channel subfamily H member 3 is a protein that in humans is encoded by the KCNH3 gene. The protein encoded by this gene is a voltage-gated potassium channel subunit. Pore-forming (alpha) subunit of voltage-gated potassium channel. Elicits an outward current with fast inactivation. Channel properties may be modulated by cAMP and subunit assembly. The potassium channel is probably composed of a homo- or heterotetrameric complex of pore-forming alpha subunits that can associate with modulating beta subunits. Detected only in brain; in particular in the telencephalon. Detected in the cerebral cortex; occipital pole; frontal and temporal lobe; putamen; amygdala; hippocampus and caudate nucleus.

**Synonyms:**

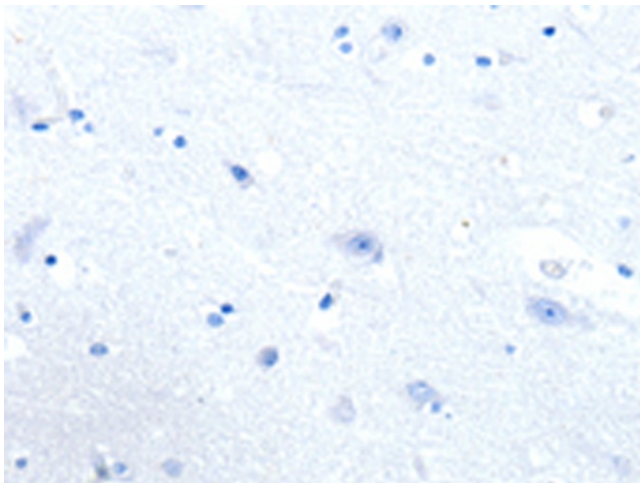
BEC1; ELK2; Kv12.2

**Protein Families:**

Druggable Genome, Ion Channels: Potassium, Transmembrane

**Product images:**

Immunohistochemistry of paraffin-embedded Human brain tissue using TA322410 (KCNH3 Antibody) at dilution 1/12 (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human brain tissue using TA322410 (KCNH3 Antibody) at dilution 1/12, treated with synthetic peptide. (Original magnification: x200)