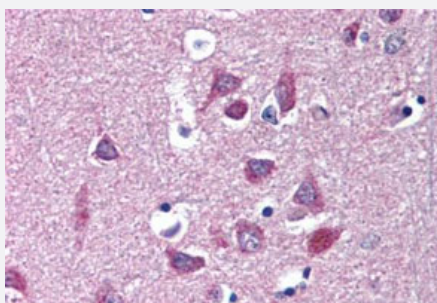


KCNA3 polyclonal antibody

Catalog # PAB27747

Size 50 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) of human brain, cortex with KCNA3 polyclonal antibody (Cat # PAB27747). Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

Specification

| | |
|----------------------------|--|
| Product Description | Rabbit polyclonal antibody raised against synthetic peptide of KCNA3. |
| Immunogen | A synthetic peptide corresponding to 17 amino acid at internal region of human KCNA3. |
| Host | Rabbit |
| Reactivity | Human |
| Specificity | BLAST analysis of the peptide immunogen showed no homology with other human proteins. |
| Form | Liquid |
| Purification | Immunoaffinity chromatography |
| Recommend Usage | Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (5 ug/mL) The optimal working dilution should be determined by the end user. |
| Storage Buffer | In PBS (0.09% sodium azide) |
| Storage Instruction | Store at 4°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and thawing. |

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) of human brain, cortex with KCNA3 polyclonal antibody (Cat # PAB27747). Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

Gene Info — KCNA3

Entrez GeneID [3738](#)

Protein Accession# [P22001](#)

Gene Name KCNA3

Gene Alias HGK5, HLK3, HPCN3, HUKIII, KV1.3, MK3, PCN3

Gene Description potassium voltage-gated channel, shaker-related subfamily, member 3

Omim ID [176263](#)

Gene Ontology [Hyperlink](#)

Gene Summary Potassium channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. Four sequence-related potassium channel genes - shaker, shaw, shab, and shal - have been identified in Drosophila, and each has been shown to have human homolog(s). This gene encodes a member of the potassium channel, voltage-gated, shaker-related subfamily. This member contains six membrane-spanning domains with a shaker-type repeat in the fourth segment. It belongs to the delayed rectifier class, members of which allow nerve cells to efficiently repolarize following an action potential. It plays an essential role in T-cell proliferation and activation. This gene appears to be intronless and it is clustered together with KCNA2 and KCNA10 genes on chromosome 1. [provided by RefSeq]

Other Designations OTTHUMP00000032397|potassium channel 3|type n potassium channel|voltage-gated potassium channel protein Kv1.3

Disease

- [Glucose Intolerance](#)

- [Insulin Resistance](#)
- [Olfactory Perception](#)
- [Smell](#)