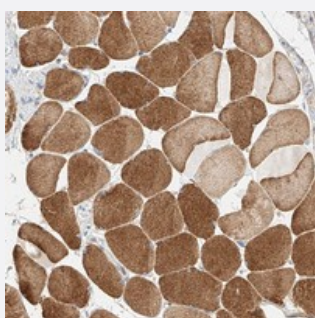


# KCNH5 polyclonal antibody

Catalog # PAB22454      Size 100 uL

## Applications



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

Immunohistochemical staining of human skeletal muscle with KCNH5 polyclonal antibody (Cat # PAB22454) shows distinct cytoplasmic positivity in myocytes at 1:50-1:200 dilution.

## Specification

|                     |   |
|---------------------|---|
| Product Description | Rabbit polyclonal antibody raised against recombinant KCNH5.  |
| Immunogen           | Recombinant protein corresponding to amino acids of human KCNH5.  |
| Sequence            | GDYEVIDEVTNTIQIDSWLYQLALSIGTPYRYNTSAGWEGGPSKDS  |
| Host                | Rabbit  |
| Reactivity          | Human   |
| Form                | Liquid  |
| Purification        | Antigen affinity purification   |
| Isotype             | IgG   |
| Recommend Usage     | Immunohistochemistry (1:50-1:200)<br>The optimal working dilution should be determined by the end user. |
| Storage Buffer      | In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)   |
| Storage Instruction | Store at 4°C. For long term storage store at -20°C.<br>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.

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## Gene Info — KCNH5

**Entrez GeneID** [27133](#)

**Protein Accession#** [Q8NCM2](#)

**Gene Name** KCNH5

**Gene Alias** EAG2, H-EAG2, Kv10.2

**Gene Description** potassium voltage-gated channel, subfamily H (eag-related), member 5

**Omim ID** [605716](#)

**Gene Ontology** [Hyperlink](#)

**Gene Summary** Voltage-gated potassium (Kv) 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. This gene encodes a member of the potassium channel, voltage-gated, subfamily H. This member is a pore-forming (alpha) subunit of a voltage-gated non-inactivating delayed rectifier potassium channel. This gene is not expressed in differentiating myoblasts. Alternative splicing results in three transcript variants encoding distinct isoforms. [provided by RefSeq]

**Other Designations** ether-a-go-go-related potassium channel 2|potassium channel HEAG2|potassium voltage-gated channel, subfamily H, member 5|voltage-gated potassium channel EAG2

## Disease

- [Genetic Predisposition to Disease](#)
- [Psychiatric Status Rating Scales](#)

- [Schizophrenia](#)
- [Tobacco Use Disorder](#)