

**Anti-KCNA5 / Kv1.5 Antibody (C-Terminus)**  
**Rabbit Anti Human Polyclonal Antibody**  
**Catalog # ALS17748****Specification**

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**Anti-KCNA5 / Kv1.5 Antibody (C-Terminus) - Product Information**

Application	WB, IHC-P
Primary Accession	<a href="#">P22460</a>
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	67228

**Anti-KCNA5 / Kv1.5 Antibody (C-Terminus) - Additional Information****Gene ID** 3741**Alias Symbol** KCNA5**Other Names**

KCNA5, Cardiac potassium channel, HCK1, HPCN1, HuK6, HuKVI, RMK2, PCN1, RK3, ATFB7, KV1.5, Potassium channel 1

**Target/Specificity**

Human 67 kD protein

**Reconstitution & Storage**

Antiserum

**Precautions**

Anti-KCNA5 / Kv1.5 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-KCNA5 / Kv1.5 Antibody (C-Terminus) - Protein Information****Name** KCNA5**Function**

Voltage-gated potassium channel that mediates transmembrane potassium transport in excitable membranes. Forms tetrameric potassium-selective channels through which potassium ions pass in accordance with their electrochemical gradient. The channel alternates between opened and closed conformations in response to the voltage difference across the membrane. Can form functional homotetrameric channels and heterotetrameric channels that contain variable proportions of KCNA1, KCNA2, KCNA4, KCNA5, and possibly other family members as well; channel properties depend on the type of alpha subunits that are part of the channel (PubMed:<a href="http://www.uniprot.org/citations/12130714" target="\_blank">12130714</a>). Channel properties are modulated by cytoplasmic beta subunits that regulate the subcellular location of the alpha subunits and promote rapid inactivation (PubMed:<a href="http://www.uniprot.org/citations/12130714" target="\_blank">12130714</a>).

Homotetrameric channels display rapid activation and slow inactivation (PubMed:<a href="http://www.uniprot.org/citations/8505626" target="\_blank">8505626</a>, PubMed:<a href="http://www.uniprot.org/citations/12130714" target="\_blank">12130714</a>). May play a role in regulating the secretion of insulin in normal pancreatic islets. Isoform 2 exhibits a voltage-dependent recovery from inactivation and an excessive cumulative inactivation (PubMed:<a href="http://www.uniprot.org/citations/11524461" target="\_blank">11524461</a>).

**Cellular Location**

Cell membrane; Multi-pass membrane protein

**Tissue Location**

Pancreatic islets and insulinoma.

**Anti-KCNA5 / Kv1.5 Antibody (C-Terminus) - 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](#)

**Anti-KCNA5 / Kv1.5 Antibody (C-Terminus) - Images**