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

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17748

Specification

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

Application	**WB, IHC-P**
Primary Accession	P22460
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:12130714). Channel properties are modulated by cytoplasmic beta subunits that regulate the subcellular location of the alpha subunits and promote rapid inactivation (PubMed:12130714).

Homotetrameric channels display rapid activation and slow inactivation (PubMed:8505626, PubMed:12130714). 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:11524461).

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 Cytomety
- Cell Culture

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