

Rabbit Kv1.5 Potassium Channel Polyclonal Antibody | anti-Kcna5 antibody

Kv1.5 Potassium Channel

CATALOG # AAA60494	HOST Rabbit	REACTIVITY Human, Mouse, Rat
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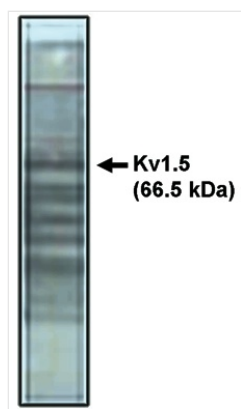
PRODUCT SYNONYMS

Kv1.5 Potassium Channel; Polyclonal Antibody; Voltage-Gated Potassium Channel; Kv1.5 isoform; anti-Kcna5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Ammonium Sulfate Precipitation
Form/Format	Provided as solution in phosphate buffered saline with 0.08% sodium azide
Sequence Length	602
Source Note	Synthetic peptide derived from the rat Kv1.5 potassium channel conjugated to KLH
Positive Control	Rat brain lysate
Preparation and Storage	Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

IMAGES


WB (Western Blot)

Western blot analysis using Kv1.5 antibody on rat brain lysate

ADDITIONAL INFORMATION

Related Product Information for anti-Kcna5 antibody	The Kv1.5 potassium channel is a voltage-gated channel protein which belongs to the delayed rectifier class and to the Shaker potassium channel subfamily which includes Kv1.1, Kv1.2, Kv1.3 and Kv1.4. Potassium channels are mainly found in plasma membranes but are not generally distributed over the cell surface. Potassium channels catalyze the rapid permeation of potassium ions while rejecting biologically abundant potential competitors such as sodium, calcium and magnesium. Ion selectivity and high through put rate of potassium channels is accomplished by precise co-ordination of dehydrated potassium by the protein and multiple ion occupancy within the permeation pathway. All potassium channels carry out the formation of a transmembrane leak specific for potassium ions. Since cells almost universally maintain cytoplasmic potassium concentrations higher than those extracellularly, the opening of a potassium channel implies a negative ongoing change in electrical voltage across the cell membrane. This may result in termination of the action potential of electrically excitable cells including nerve, muscle and pancreatic beta cells. In non-excitabile cells, potassium channels play important roles in the cellular potassium recycling required for electrolyte balance effected by the renal epithelium.
Product Categories/Family for anti-Kcna5 antibody	Polyclonal Antibody ; Ion Channels

NCBI AND UNIPROT INFORMATION

NCBI GI #	6981118
NCBI GeneID	25470
NCBI Accession #	NP_037104.1
NCBI GenBank Nucleotide #	NM_012972.1
UniProt Accession #	P19024 ; Q6LEB7
NCBI Official Full Name	potassium voltage-gated channel subfamily A member 5
NCBI Official Synonym Full Names	potassium voltage-gated channel, shaker-related subfamily, member 5
NCBI Official Symbol	Kcna5
NCBI Official Synonym Symbols	Kv1; Kv1.5
NCBI Protein Information	potassium voltage-gated channel subfamily A member 5; RK4; RCK7; Potassium (K+) channel protein alpha 5; voltage-gated potassium channel subunit Kv1.5; potassium voltage gated channel, shaker related subfamily, member 5
UniProt Protein Name	Potassium voltage-gated channel subfamily A member 5
UniProt Gene Name	Kcna5
UniProt Entry Name	KCNA5_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/kv15-potassium-channel-antibody-elisa/60494>