

Rabbit Kv2.1 Polyclonal Antibody | anti-KCNB1 antibody

Anti-Kv2.1 Antibody

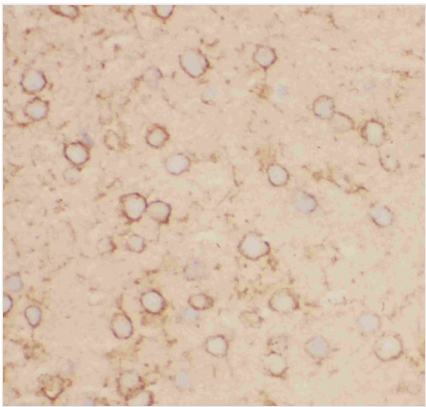
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA11600	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunohistochemistry

PRODUCT SYNONYMS

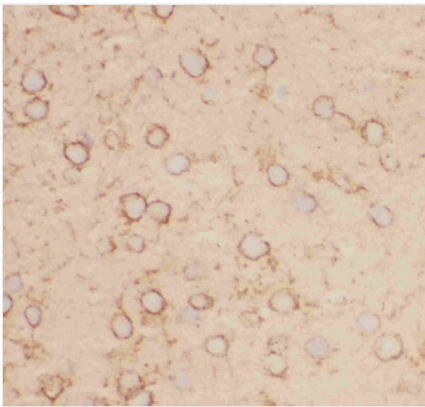
Kv2.1; Polyclonal Antibody; Anti-Kv2.1 Antibody; Potassium voltage-gated channel subfamily B member 1; potassium voltage-gated channel; Shab-related subfamily; member 1; Delayed rectifier potassium channel 1 antibody; Delayed rectifier potassium channel Kv2.1 antibody; DRK 1 antibody; DRK1 antibody; h DRK1 K(+) channel antibody; h-DRK1 antibody; hDRK 1 antibody; hDRK1 antibody; KCB 1 antibody; KCB1 antibody; KCNB1 antibody; KCNB1_HUMAN antibody; KV2.1 antibody; Potassium channel protein DRK1 antibody; Potassium voltage gated channel shab related subfamily member 1 antibody; Potassium voltage-gated channel subfamily B member 1 antibody; Voltage-gated potassium channel subunit Kv2.1 antibody; anti-KCNB1 antibody

PRODUCT SPECIFICATIONS

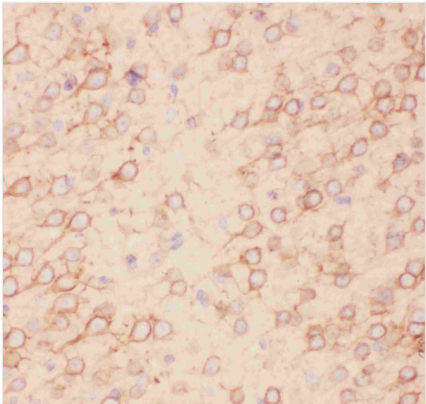
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	858
Applicable Applications for anti-KCNB1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IHC (Immunohistochemistry)
Immunogen	E Coli-derived human Kv2.1 recombinant protein (Position: V687-I858). Human Kv2.1 shares 88% amino acid (aa) sequences identity with both mouse and rat Kv2.1.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



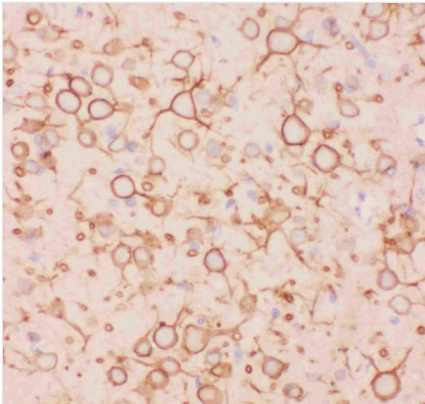
IHC (Immunohistochemistry)
Anti-Kv2.1 Picoband antibody, AAA11600-7.JPGIHC(F): Mouse Brain Tissue



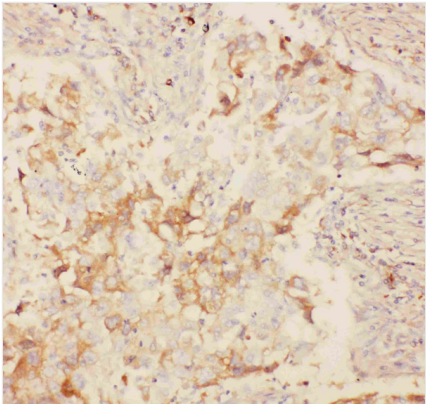
IHC (Immunohistochemistry)
Anti-Kv2.1 Picoband antibody, AAA11600-6.JPGIHC(F): Rat Brain Tissue



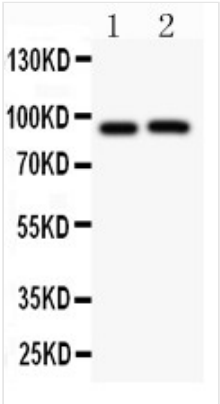
IHC (Immunohistochemistry)
Anti-Kv2.1 Picoband antibody, AAA11600-5.JPGIHC(P): Mouse Brain Tissue



IHC (Immunohistochemistry)
Anti-Kv2.1 Picoband antibody, AAA11600-4.JPGIHC(P): Rat Brain Tissue



IHC (Immunohistochemistry)
Anti-Kv2.1 Picoband antibody, AAA11600-3.JPGIHC(P): Human Lung Cancer Tissue



Application Data
Anti-Kv2.1 Picoband antibody, AAA11600-2.jpgAll lanes: Anti KV2.1 (AAA11600) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 50ugLane 2: Mouse Brain Tissue Lysate at 50ugPredicted bind size: 96KDObserved bind size: 96KD

ADDITIONAL INFORMATION

Related Product Information for anti-KCNB1 antibody	Description: Rabbit IgG polyclonal antibody for Potassium voltage-gated channel subfamily B member 1(KCNB1) detection. Tested with WB, IHC-P, IHC-F in Human, Mouse, Rat. Background: KCNB1, also known as Kv2.1 or DRK1, is a protein that, in humans, is encoded by the KCNB1 gene. It is mapped to 20q13.13. KCNB1 is found in cardiomyocytes, skeletal muscles, vascular smooth muscles, placental vasculature, retina, and pancreatic beta-cells. It can mediate the voltage-dependent potassium ion permeability of excitable membranes. KCNB1 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.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	24418854
NCBI GeneID	3745
UniProt Accession #	Q14721; Q14193
Molecular Weight	95,878 Da
NCBI Official Full Name	Potassium voltage-gated channel subfamily B member 1
NCBI Official Synonym Full Names	potassium voltage-gated channel, Shab-related subfamily, member 1
NCBI Official Symbol	KCNB1
NCBI Official Synonym Symbols	DRK1; KV2.1; EIEE26; h-DRK1
NCBI Protein Information	potassium voltage-gated channel subfamily B member 1; h-DRK1 K(+) channel; potassium channel protein DRK1; delayed rectifier potassium channel 1; delayed rectifier potassium channel Kv2.1; voltage-gated potassium channel subunit Kv2.1
UniProt Protein Name	Potassium voltage-gated channel subfamily B member 1
UniProt Gene Name	KCNB1
UniProt Synonym Gene Names	DRK1; h-DRK1
UniProt Entry Name	KCNB1_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/kv21-antibody-western-blot-immunohistochemistry-immunohistochemistry-elisa/11600>