

anti-Human Kv1.4 Polyclonal Antibody | anti-Kv1.4 antibody

Anti-Kv1.4 Antibody

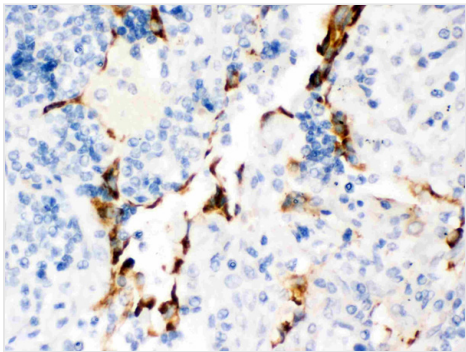
CATALOG # AAA46353	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

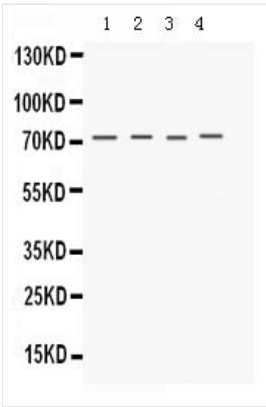
Kv1.4; Polyclonal Antibody; Anti-Kv1.4 Antibody; Potassium voltage-gated channel subfamily A member 4; Voltage gated K⁺ channel HuKII; cardiac potassium channel; fetal skeletal muscle potassium channel; HBK 4; HBK4; HK 1; HK1; HPCN 2; HPCN2; HUK II; HUKII; KCNA 4; KCNA 8; KCNA4; KCNA4_HUMAN; KCNA4L; KCNA8; kv1.4; PCN 2; PCN2; potassium channel 2; potassium channel KCNA4; potassium channel protein; Potassium voltage gated channel shaker related subfamily member 4; Potassium voltage gated channel subfamily A member 4; potassium voltage-gated channel shaker-related subfamily member 4-like; rapidly inactivating potassium channel; Shaker related potassium channel Kv1.4; shaker-related potassium channel Kv1.4; type A potassium channel; Voltage gated potassium channel HBK4; Voltage gated potassium channel HK1; Voltage gated potassium channel subunit Kv1.4; Voltage-gated K(+) channel HuKII; voltage-gated potassium channel; Voltage-gated potassium channel HBK4; Voltage-gated potassium channel HK1; voltage-gated potassium channel protein Kv1.4; Voltage-gated potassium channel subunit Kv1.4 antibody; potassium voltage-gated channel; shaker-related subfamily; member 4; anti-Kv1.4 antibody

PRODUCT SPECIFICATIONS

Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	653
Applicable Applications for anti-Kv1.4 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Kv1.4 (609-647aa SEYLEMEEGVKESLCAKEEKQKGDDSETDKNNCSNAK), different from the related mouse sequence by two amino acids, and from the related rat sequence by one amino acid.
Ig Type	Rabbit IgG
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 aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



IHC (Immunohistochemistry)
Anti- Kv1.4 Picoband antibody, AAA46353, IHC(P)IHC(P): Human Lung Cancer Tissue



WB (Western Blot)
Anti- Kv1.4 Picoband antibody, AAA46353, Western blottingAll lanes: Anti Kv1.4 (AAA46353) at 0.5ug/mlLane 1: HELA Whole Cell Lysate at 40ugLane 2: COLO320 Whole Cell Lysate at 40ugLane 3: HT1080 Whole Cell Lysate at 40ugLane 4: PANC Whole Cell Lysate at 40ugPredicted bind size: 73KDObserved bind size: 73KD

ADDITIONAL INFORMATION

Related Product Information for anti-Kv1.4 antibody	Description: Rabbit IgG polyclonal antibody for Potassium voltage-gated channel subfamily A member 4(KCNA4) detection. Tested with WB, IHC-P in Human. Background: Potassium voltage-gated channel subfamily A member 4, also known as Kv1.4 or PCN2, is a protein that in humans is encoded by the KCNA4 gene. This gene encodes a member of the potassium channel, voltage-gated, shaker-related subfamily. It is mapped to 11p14.1. KCNA4 belongs to the A-type potassium current class, the members of which may be important in the regulation of the fast repolarizing phase of action potentials in heart and thus may influence the duration of cardiac action potential. KCNA4 also contributes to the cardiac transient outward potassium current (Ito1), the main contributing current to the repolarizing phase 1 of the cardiac action potential. This gene has been shown to interact with DLG4, KCNA2 and DLG1.
References	1. "Entrez Gene: KCNA4 potassium voltage-gated channel, shaker-related subfamily, member 4". 2. Gutman GA, Chandy KG, Grissmer S, Lazdunski M, McKinnon D, Pardo LA, Robertson GA, Rudy B, Sanguinetti MC, Stuhmer W, Wang X (Dec 2005). "International Union of Pharmacology. LIII. Nomenclature and molecular relationships of voltage-gated potassium channels". Pharmacol Rev 57 (4): 473-508. 3. Philipson LH, Schaefer K, LaMendola J, Bell GI, Steiner DF (Feb 1991)."Sequence of a human fetal skeletal muscle potassium channel cDNA related to RCK4". Nucleic Acids Res 18 (23): 7160.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504817
NCBI GeneID	3739
NCBI Accession #	NP_002224.1
NCBI GenBank Nucleotide #	NM_002233.3
UniProt Accession #	P22459
Molecular Weight	73,257 Da
NCBI Official Full Name	potassium voltage-gated channel subfamily A member 4
NCBI Official Synonym Full Names	potassium voltage-gated channel subfamily A member 4
NCBI Official Symbol	KCNA4
NCBI Official Synonym Symbols	HK1; HBK4; PCN2; HPCN2; HUKII; KCNA8; KV1.4; KCNA4L
NCBI Protein Information	potassium voltage-gated channel subfamily A member 4

UniProt Protein Name	Potassium voltage-gated channel subfamily A member 4
UniProt Gene Name	KCNA4
UniProt Synonym Gene Names	KCNA4L
UniProt Entry Name	KCNA4_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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/kv14-antibody-immunohistochemistry-western-blot-elisa/46353>