

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

Kv1.4 Antibody

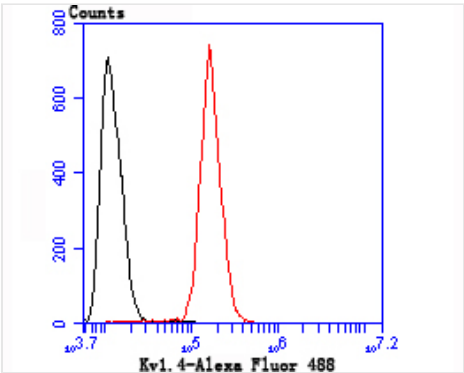
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA29925	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunocytochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

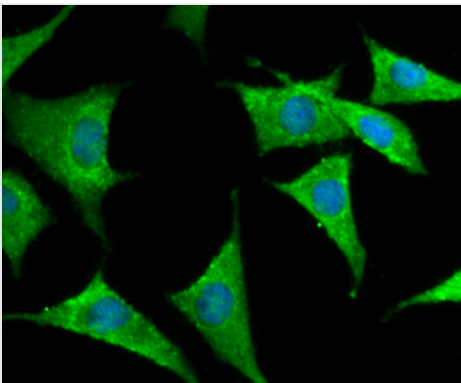
Kv1.4; Polyclonal Antibody; Kv1.4 Antibody; Voltage gated K⁺ channel HuKII antibody; Fetal skeletal muscle potassium channel antibody; HBK4 antibody; HK1 antibody; HPCN2 antibody; HUKII antibody; Kcna4 antibody; KCNA4_HUMAN antibody; KCNA4L antibody; KCNA8 antibody; kv1.4 antibody; PCN2 antibody; Potassium channel 2 antibody; Potassium voltage gated channel shaker related subfamily member 4 antibody; Potassium voltage gated channel subfamily A member 4 antibody; Potassium voltage-gated channel subfamily A member 4 antibody; Rapidly inactivating potassium channel antibody; Shaker related potassium channel Kv1.4 antibody; Type A potassium channel antibody; Voltage gated potassium channel HBK4 antibody; Voltage gated potassium channel HK1 antibody; Voltage gated potassium channel subunit Kv1.4 antibody; Voltage-gated K (+) channel HuKII antibody; Voltage-gated potassium channel HBK4 antibody; Voltage-gated potassium channel HK1 antibody; Voltage-gated potassium channel subunit Kv1.4 antibody; anti-Kv1.4 antibody

PRODUCT SPECIFICATIONS

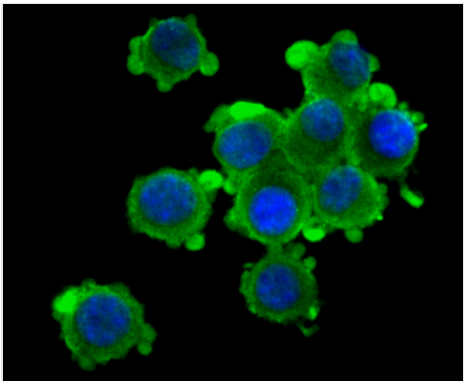
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Peptide affinity purified
Form/Format	1*TBS (pH7.4), 0.5%BSA, 50%Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-Kv1.4 antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:100 ICC: 1:50-1:200 FC/FACS: 1:50-1:100
Immunogen	Peptide
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.



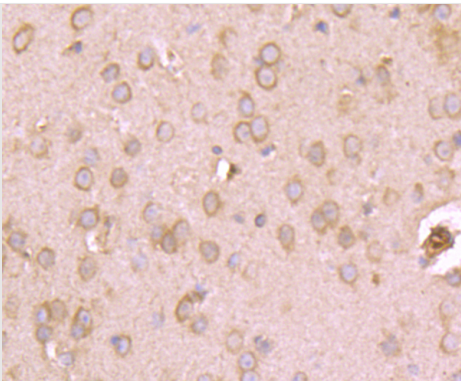
FCM (Flow Cytometry)
Flow cytometric analysis of SH-SY5Y cells with Kv1.4 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



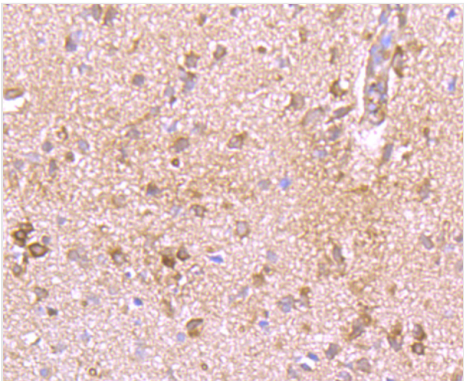
ICC (Immunocytochemistry)
ICC staining Kv1.4 in SH-SY5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



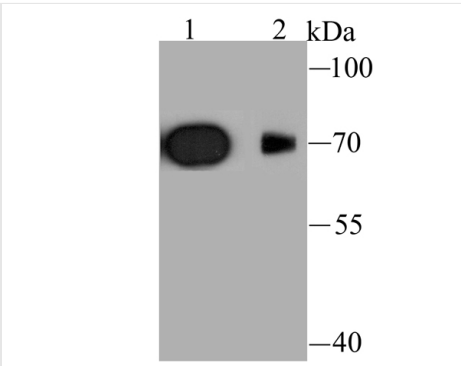
ICC (Immunocytochemistry)
ICC staining Kv1.4 in N2A cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-Kv1.4 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-Kv1.4 antibody. Counter stained with hematoxylin.



WB (Western Blot)
Western blot analysis of Kv1.4 on rat brain (1) and mouse brain (2) tissue lysate using anti-Kv1.4 antibody at 1/1, 000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-Kv1.4 antibody	Mediates the voltage-dependent potassium ion permeability of excitable membranes. Assuming opened or closed conformations in response to the voltage difference across the membrane, the protein forms a potassium-selective channel through which potassium ions may pass in accordance with their electrochemical gradient.
Product Categories/Family for anti-Kv1.4 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	31543026
NCBI GeneID	16492
NCBI Accession #	NP_067250.2
NCBI GenBank Nucleotide #	NM_021275.4
UniProt Accession #	Q61423; Q8CBF8
Molecular Weight	73,470 Da
NCBI Official Full Name	potassium voltage-gated channel subfamily A member 4
NCBI Official Synonym Full Names	potassium voltage-gated channel, shaker-related subfamily, member 4
NCBI Official Symbol	Kcna4
NCBI Official Synonym Symbols	Kv1.4
NCBI Protein Information	potassium voltage-gated channel subfamily A member 4; voltage-gated potassium channel subunit Kv1.4; potassium voltage gated channel, shaker related subfamily, member 4
UniProt Protein Name	Potassium voltage-gated channel subfamily A member 4
UniProt Gene Name	Kcna4
UniProt Entry Name	KCNA4_MOUSE

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-western-blot-immunohistochemistry-immunocytochemistry-flow-cytometry-elisa/29925>