ARG45901
anti-KCNA6 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes KCNA6
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	KCNA6
Species	Human
Immunogen	Synthetic peptide corresponding to C-terminal region of human KCNA6.
Conjugation	Un-conjugated
Alternate Names	KCNA6; Potassium voltage-gated channel subfamily A member 6; Voltage-gated potassium channel HBK2; Voltage-gated potassium channel subunit Kv1.6

Application Instructions

Application table

Application	Dilution
FACS	1 - 3 µg/10^6 cells
IHC-P	2-5 µg/ml
WB	0.25-0.5 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Observed Size: 59 kDa

Properties

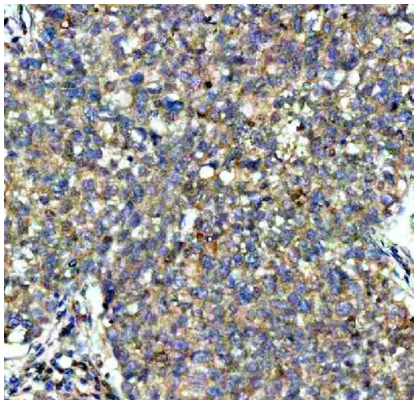
Form	Liquid
Purification	Affinity chromatography purified
Buffer	0.2% Na2HPO4, 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -22°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

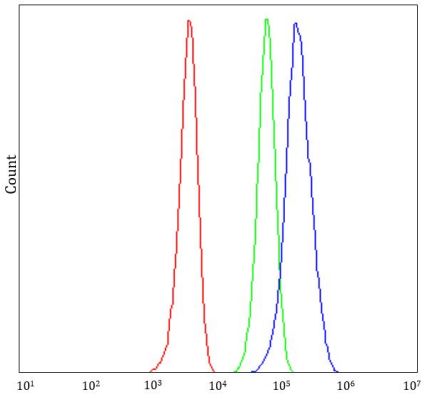
Gene Symbol	KCNA6
Gene Full Name	Potassium Voltage-Gated Channel Subfamily A Member 6
Background	Potassium channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. Four sequence-related potassium channel genes - shaker, shaw, shab, and shal - have been identified in Drosophila, and each has been shown to have human homolog(s). This gene encodes a member of the potassium channel, voltage-gated, shaker-related subfamily. This member contains six membrane-spanning domains with a shaker-type repeat in the fourth segment. It belongs to the delayed rectifier class. The coding region of this gene is intronless, and the gene is clustered with genes KCNA1 and KCNA5 on chromosome 12. [provided by RefSeq, Jul 2008]
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 [UniProt]
Calculated Mw	59 kDa
PTM	Lipoprotein; Palmitate; Phosphoprotein. [UniProt]
Cellular Localization	Cell membrane. [UniProt]

Images



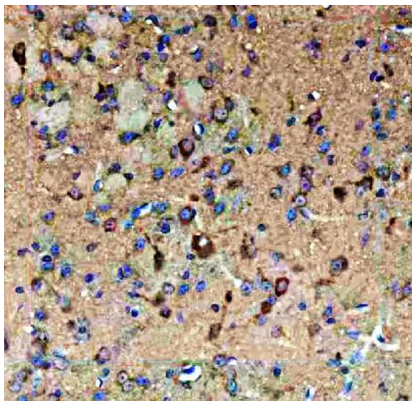
ARG45901 anti-KCNA6 antibody IHC-P image

Immunohistochemistry: Human liver cancer stained with ARG45901 anti-KCNA6 antibody at 2 µg/ml dilution.



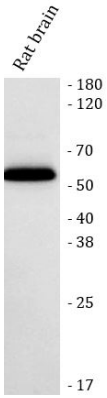
ARG45901 anti-KCNA6 antibody FACS image

Flow Cytometry: HEL stained with ARG45901 anti-KCNA6 antibody at 1 µg/10^6 cells dilution.



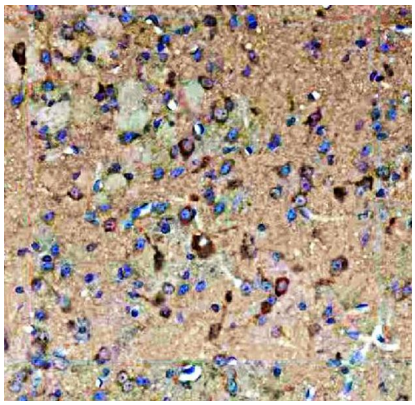
ARG45901 anti-KCNA6 antibody IHC-P image

Immunohistochemistry: Mouse brain stained with ARG45901 anti-KCNA6 antibody at 2 µg/ml dilution.



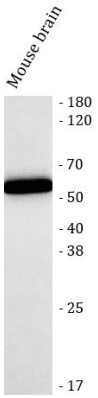
ARG45901 anti-KCNA6 antibody WB image

Western blot: Rat brain stained with ARG45901 anti-KCNA6 antibody at 0.5 µg/ml dilution.



ARG45901 anti-KCNA6 antibody IHC-P image

Immunohistochemistry: Mouse brain stained with ARG45901 anti-KCNA6 antibody at 2 µg/ml dilution.



ARG45901 anti-KCNA6 antibody WB image

Western blot: Mouse brain stained with ARG45901 anti-KCNA6 antibody at 0.5 µg/ml dilution.