

ARG45151 anti-EAG1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes EAG1
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Target Name	EAG1
Species	Human
Immunogen	Recombinant protein containing to human EAG1.
Conjugation	Un-conjugated
Alternate Names	KCNH1; potassium voltage-gated channel subfamily H member 1; H-Eag; K(V)10.1; Kv10.1; Eag1; HEAG; EagPotassium Voltage-Gated Channel, Subfamily H (Eag-Related), Member 1; Voltage-Gated Delayed Rectifier Potassium Channel KCNH1; Voltage-Gated Potassium Channel Subunit Kv10.1; Ether-A-Go-Go Potassium Channel 1; Ether-A-Go-Go 1; EAG Channel 1; HEAG1; Potassium Channel, Voltage Gated Eag Related Subfamily H, Member 1; Ether-A-Go-Go, Drosophila, Homolog Of; TMBTS; ZLS1

Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 ⁶ cells
	ICC/IF	2 µg/ml
	WB	0.1-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	160 kDa	

Properties

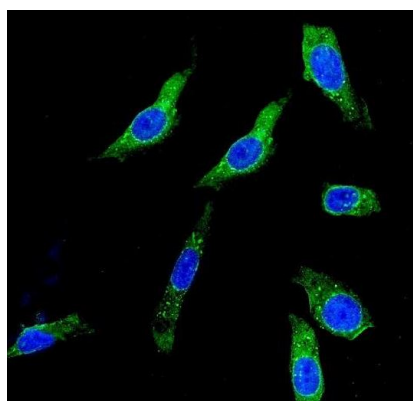
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml

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 -20°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

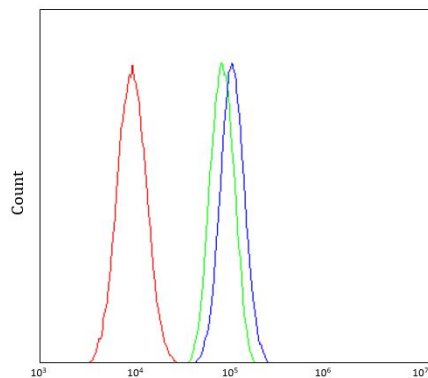
Gene Symbol	KCNH1
Gene Full Name	potassium voltage-gated channel subfamily H member 1
Background	Voltage-gated potassium (Kv) channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. This gene encodes a member of the potassium channel, voltage-gated, subfamily H. This member is a pore-forming (alpha) subunit of a voltage-gated non-inactivating delayed rectifier potassium channel. It is activated at the onset of myoblast differentiation. The gene is highly expressed in brain and in myoblasts. Overexpression of the gene may confer a growth advantage to cancer cells and favor tumor cell proliferation. Alternative splicing of this gene results in two transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2008]
Function	Pore-forming (alpha) subunit of a voltage-gated delayed rectifier potassium channel that mediates outward-rectifying potassium currents which, on depolarization, reaches a steady-state level and do not inactivate. [UniProt]
Calculated Mw	111 kDa
PTM	Glycoprotein; Phosphoprotein. [UniProt]
Cellular Localization	Nucleus inner membrane; Cell projection, dendrite; Cell projection, axon; Presynaptic cell membrane; Perikaryon; Postsynaptic density membrane; Early endosome membrane. [UniProt]

Images



ARG45151 anti-EAG1 antibody ICC/IF image

Immunofluorescence: U2OS stained with ARG45151 anti-EAG1 antibody at 2 ug/ml dilution.



ARG45151 anti-EAG1 antibody FACS image

Flow Cytometry: A549 stained with ARG45151 anti-EAG1 antibody at $1 \mu\text{g}/10^6$ cells dilution.



ARG45151 anti-EAG1 antibody WB image

Western blot: Rat brain stained with ARG45151 anti-EAG1 antibody at $0.5 \mu\text{g}/\text{ml}$ dilution.



ARG45151 anti-EAG1 antibody WB image

Western blot: Mouse brain stained with ARG45151 anti-EAG1 antibody at $0.5 \mu\text{g}/\text{ml}$ dilution.