ARG59896
anti-KCND1 / Kv4.1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes KCND1 / Kv4.1
Tested Reactivity	Hu, Ms
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	KCND1 / Kv4.1
Species	Human
Immunogen	Recombinant protein corresponding to T442-L647 of Human KCND1 / Kv4.1.
Conjugation	Un-conjugated
Alternate Names	KV4.1; Potassium voltage-gated channel subfamily D member 1; Voltage-gated potassium channel subunit Kv4.1

Application Instructions

Application table

Application	Dilution
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.

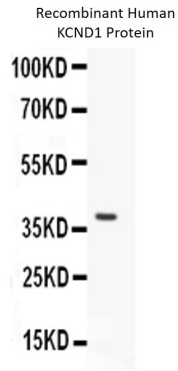
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na2HPO4, 0.9% NaCl, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
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

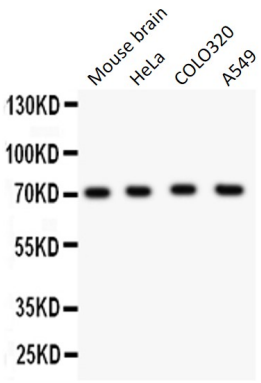
Gene Symbol	KCND1
Gene Full Name	potassium channel, voltage gated Shal related subfamily D, member 1
Background	This gene encodes a multipass membrane protein that comprises the pore subunit of the voltage-gated A-type potassium channel, which functions in the repolarization of membrane action potentials. Activity of voltage-gated potassium channels is important in a number of physiological processes, among them the regulation of neurotransmitter release, heart rate, insulin secretion, and smooth muscle contraction. [provided by RefSeq, Aug 2013]
Function	Pore-forming (alpha) subunit of voltage-gated rapidly inactivating A-type potassium channels. May contribute to I(To) current in heart and I(Sa) current in neurons. Channel properties are modulated by interactions with other alpha subunits and with regulatory subunits. [UniProt]
Calculated Mw	Isoform 1: 71 kDa Isoform 2: 29 kDa
Cellular Localization	Membrane; Multi-pass membrane protein. Cell projection, dendrite. [UniProt]

Images



ARG59896 anti-KCND1 / Kv4.1 antibody WB image

Western blot: 0.5 ng of Recombinant Human KCND1 Protein stained with ARG59896 anti-KCND1 / Kv4.1 antibody at 0.5 µg/ml dilution.



ARG59896 anti-KCND1 / Kv4.1 antibody WB image

Western blot: 50 µg of Mouse brain, 40 µg of HeLa, 40 µg of COLO320 and 40 µg of A549 cell lysates stained with ARG59896 anti-KCND1 / Kv4.1 antibody at 0.5 µg/ml dilution.