

ARG65085 anti-KCNN2 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes KCNN2
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog
Tested Application	IHC-P, WB
Specificity	This antibody is expected to recognize both isoforms (NP_067627.2; NP_740721.1).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	KCNN2
Species	Human
Immunogen	C-ESYDKHVTYNAER
Conjugation	Un-conjugated
Alternate Names	KCa2.2; SK2; hSK2; SKCA2; Small conductance calcium-activated potassium channel protein 2; SKCa2; SKCa 2

Application Instructions

Application table	Application	Dilution
	IHC-P	3 - 5 µg/ml
	WB	0.3 - 1 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% 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

Database links

[GeneID: 3781 Human](#)

[Swiss-port # Q9H2S1 Human](#)

Background

Action potentials in vertebrate neurons are followed by an afterhyperpolarization (AHP) that may persist for several seconds and may have profound consequences for the firing pattern of the neuron. Each component of the AHP is kinetically distinct and is mediated by different calcium-activated potassium channels. The protein encoded by this gene is activated before membrane hyperpolarization and is thought to regulate neuronal excitability by contributing to the slow component of synaptic AHP. The encoded protein is an integral membrane protein that forms a voltage-independent calcium-activated channel with three other calmodulin-binding subunits. This gene is a member of the KCNN family of potassium channel genes. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

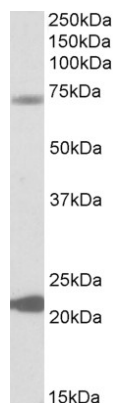
Research Area

Neuroscience antibody

Calculated Mw

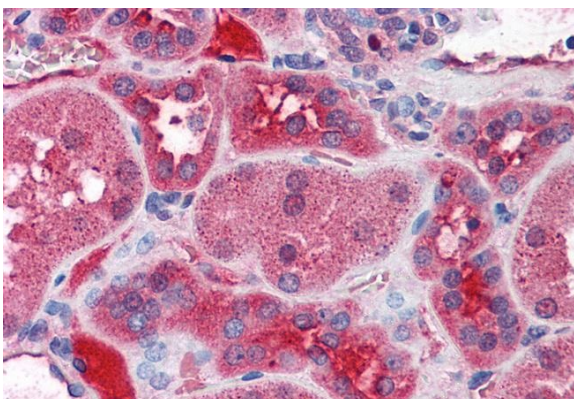
64 kDa

Images



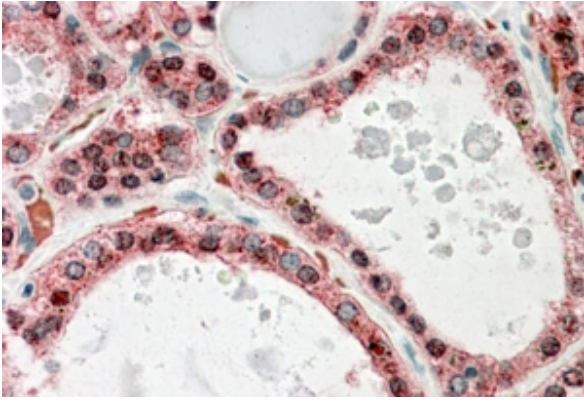
ARG65085 anti-KCNN2 antibody WB image

Western Blot: Human Liver lysate (35 µg protein in RIPA buffer) stained with ARG65085 anti-KCNN2 antibody at 0.3 µg/ml dilution.



ARG65085 anti-KCNN2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human kidney tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG65085 anti-KCNN2 antibody at 3.75 µg/ml dilution followed by AP-staining.



ARG65085 anti-KCNN2 antibody IHC-P image

Immunohistochemistry: paraffin embedded Human Thyroid Gland. (Steamed antigen retrieval with citrate buffer pH 6) stained with ARG65085 anti-KCNN2 antibody at 3.8 µg/ml dilution followed by AP-staining.