

KCNN2 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI10786**Specification**

KCNN2 antibody - C-terminal region - Product Information

Application	IHC, WB
Primary Accession	Q9H2S1
Other Accession	NM_021614 , NP_067627
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Horse, Yeast, Bovine, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Chicken, Horse, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	64kDa kDa

KCNN2 antibody - C-terminal region - Additional Information**Gene ID** 3781**Alias Symbol** SK2, hSK2, SKCA2, KCa2.2**Other Names**

Small conductance calcium-activated potassium channel protein 2, SK2, SKCa 2, SKCa2, KCa2.2, KCNN2

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 100 ul of distilled water. Final anti-KCNN2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

KCNN2 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

KCNN2 antibody - C-terminal region - Protein Information**Name** KCNN2**Function**

Forms a voltage-independent potassium channel activated by intracellular calcium (PubMed:10991935, PubMed:9287325, PubMed:33242881). Activation is followed by membrane hyperpolarization. Thought to regulate neuronal excitability by contributing to the slow component of synaptic afterhyperpolarization.

Cellular Location

Membrane; Multi-pass membrane protein.

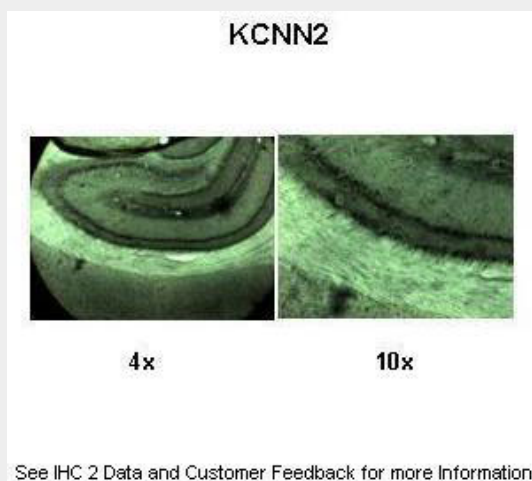
Tissue Location

Expressed in atrial myocytes (at protein level). Widely expressed.

KCNN2 antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KCNN2 antibody - C-terminal region - Images

Lanes: Rat brain section

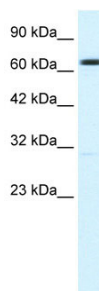
Primary Antibody Dilution: 1:500

Secondary Antibody: Anti-rabbit-biotin, streptavidin-diaminobenzidine

Secondary Antibody Dilution: 1:500

Gene Name: KCNN2

Submitted by: Dr. Amiel Rosenkranz, Rosalind Franklin University



WB Suggested Anti-KCNN2 Antibody Titration: 1.25µg/ml
ELISA Titer: 1:62500
Positive Control: HepG2 cell lysate

KCNN2 antibody - C-terminal region - References

Feranchak, A.P., et al., (2004) Gastroenterology 127 (3), 903-913
Reconstitution and Storage: For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.
Publications: Chakroborty, S. et al. Early presynaptic and postsynaptic calcium signaling abnormalities mask underlying synaptic depression in presymptomatic Alzheimer's disease mice. J. Neurosci. 32, 8341-53 (2012).
WB, IHC, Human, Yeast, Zebrafish, Mouse, Rat, Bovine, Dog, Pig, H, Rabbit, Guinea pig
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