

KCNN2 Antibody (Internal)
Goat Polyclonal Antibody
Catalog # ALS13387**Specification**

KCNN2 Antibody (Internal) - Product Information

Application	WB, IHC
Primary Accession	O9H2S1
Reactivity	Human, Monkey
Host	Goat
Clonality	Polyclonal
Calculated MW	64kDa KDa

KCNN2 Antibody (Internal) - Additional Information**Gene ID** 3781**Other Names**

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

Target/Specificity

Human KCNN2. This antibody is expected to recognize both isoforms (NP_067627.2; NP_740721.1).

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

KCNN2 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

KCNN2 Antibody (Internal) - 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

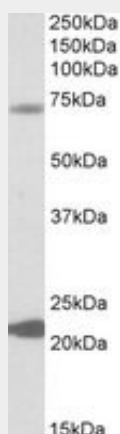
Expressed in atrial myocytes (at protein level). Widely expressed.

KCNN2 Antibody (Internal) - Protocols

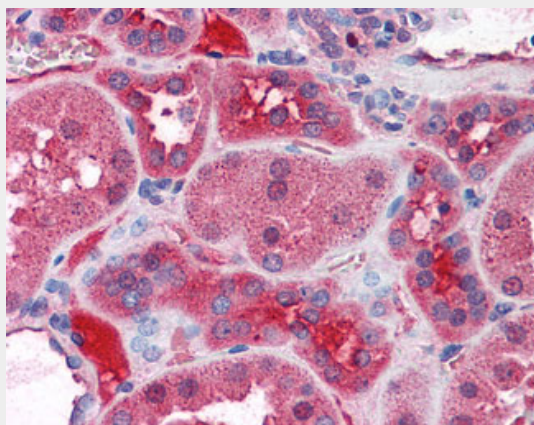
Provided below are standard protocols that you may find useful for product applications.

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

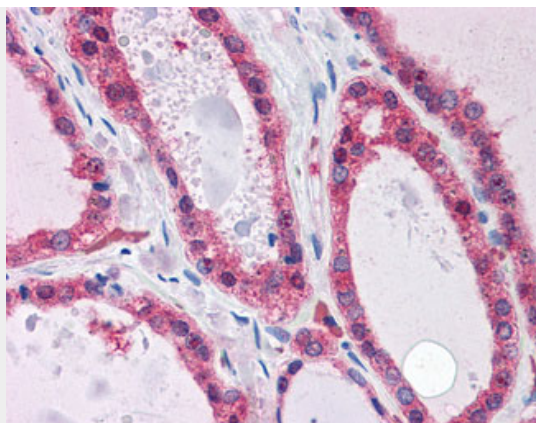
KCNN2 Antibody (Internal) - Images



KCNN2 antibody (0.3 ug/ml) staining of Human Liver lysate (35 ug protein in RIPA buffer).



Anti-KCNN2 antibody IHC of human kidney.



Anti-KCNN2 antibody IHC of human thyroid.

KCNN2 Antibody (Internal) - Background

Forms a voltage-independent potassium channel activated by intracellular calcium. Activation is followed by membrane hyperpolarization. Thought to regulate neuronal excitability by contributing to the slow component of synaptic afterhyperpolarization. The channel is blocked by apamin.

KCNN2 Antibody (Internal) - References

- Desai R.,et al.J. Biol. Chem. 275:39954-39963(2000).
Xu Y.,et al.J. Biol. Chem. 278:49085-49094(2003).
Mazzone J.N.,et al.Submitted (JUL-2001) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Schmutz J.,et al.Nature 431:268-274(2004).