

KCNN4 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI10789**Specification**

KCNN4 antibody - C-terminal region - Product Information

Application	WB
Primary Accession	O15554
Other Accession	NM_002250 , NP_002241
Reactivity	Human, Rat, Pig, Horse, Bovine
Predicted	Human, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	48kDa KDa

KCNN4 antibody - C-terminal region - Additional Information**Gene ID 3783**

Alias Symbol	IK1, IKCA1, KCA4, KCa3.1, SK4, hIKCa1, hKCa4, hSK4
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Other Names

Intermediate conductance calcium-activated potassium channel protein 4, SK4, SKCa 4, SKCa4, IKCa1, IK1, KCa3.1, KCa4, Putative Gardos channel, KCNN4, IK1, IKCA1, KCA4, SK4

Format

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

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-KCNN4 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

KCNN4 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

KCNN4 antibody - C-terminal region - Protein Information**Name KCNN4****Synonyms IK1, IKCA1, KCA4, SK4****Function**

Forms a voltage-independent potassium channel that is activated by intracellular calcium (PubMed:26148990). Activation is followed by membrane hyperpolarization which promotes calcium influx. Required for maximal calcium influx and proliferation during the reactivation of naive T-cells (PubMed:17157250, PubMed:17157250).

[18796614](http://www.uniprot.org/citations/18796614)). Plays a role in the late stages of EGF-induced macropinocytosis (PubMed:<[24591580](http://www.uniprot.org/citations/24591580)>).

Cellular Location

Cell membrane; Multi-pass membrane protein

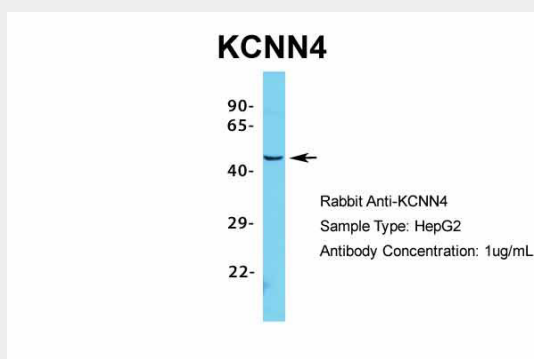
Tissue Location

Widely expressed in non-excitabile tissues.

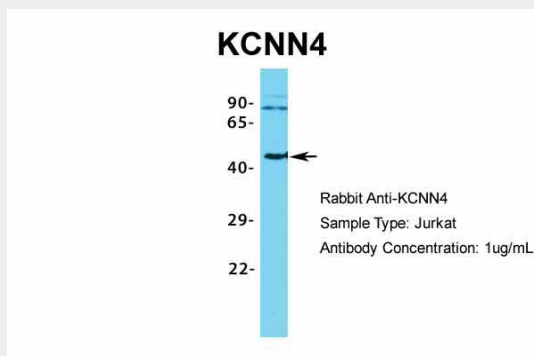
KCNN4 antibody - C-terminal region - Protocols

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](#)

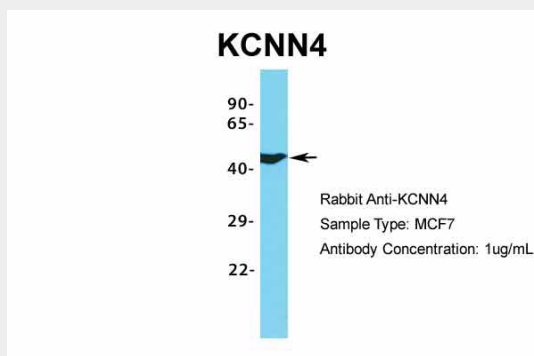
KCNN4 antibody - C-terminal region - Images

Host: Rabbit
Target Name: KCNN4
Sample Tissue: HepG2
Antibody Dilution: 1.0µg/ml

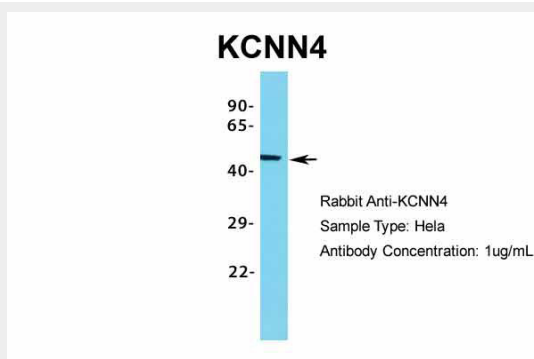


Host: Rabbit

Target Name: KCNN4
Sample Tissue: Jurkat
Antibody Dilution: 1.0µg/ml



Host: Rabbit
Target Name: KCNN4
Sample Tissue: MCF7
Antibody Dilution: 1.0µg/ml



Host: Rabbit
Target Name: KCNN4
Sample Tissue: HeLa
Antibody Dilution: 1.0µg/ml

KCNN4 antibody - C-terminal region - References

Gao,Y., (2008) J. Biol. Chem. 283 (14), 9049-9059 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.