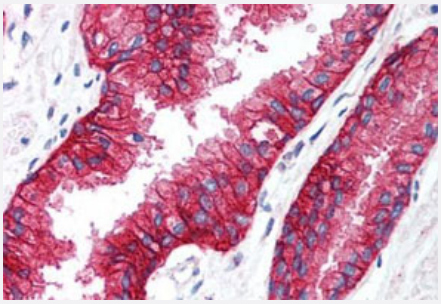
KCNN4 polyclonal antibody

Catalog # PAB27758 Size 50 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) of human prostate tissue with KCNN4 polyclonal antibody (Cat # PAB27758). Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of KCNN4.
Immunogen	A synthetic peptide corresponding to 14 amino acid at C-terminus of human KCNN4.
Host	Rabbit
Reactivity	Bovine, Dog, Guinea pig, Human, Mouse, Pig, Rabbit, Rat
Specificity	BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Form	Liquid
Purification	Immunoaffinity chromatography
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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Gene Info — KCNN4

Entrez GeneID	3783
Protein Accession#	O15554
Gene Name	KCNN4
Gene Alias	IK1, IKCA1, KCA4, KCa3.1, SK4, hIKCa1, hKCa4, hSK4
Gene Description	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 4
Omim ID	602754
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is part of a potentially heterotetrameric voltage-independent potassium channel that is activated by intracellular calcium. Activation is followed by membrane hyperpolarization, which promotes calcium influx. The encoded protein may be part of the predominant calcium-activated potassium channel in T-lymphocytes. This gene is similar to other KCNN family potassium channel genes, but it differs enough to possibly be considered as part of a new subfamily. [provided by RefSeq
Other Designations	intermediate conductance calcium-activated potassium channel protein 1|putative erythrocyte intermediate conductance calcium-activated potassium Gardos channel

Publication Reference

- The potassium channel KCa3.1 promotes cell proliferation by activating SKP2 and metastasis through the EMT pathway in hepatocellular carcinoma.

  Du Y, Song W, Chen J, Chen H, Xuan Z, Zhao L, Chen J, Jin C, Zhou M, Tuo B, Zhao Y, Zheng S, Song P.

  International Journal of Cancer 2019 Jan; [Epub].

- KCa3.1 as an Effective Target for Inhibition of Growth and Progression of Intrahepatic Cholangiocarcinoma.

  Song P, Du Y, Song W, Chen H, Xuan Z, Zhao L, Chen J, Chen J, Guo D, Jin C, Zhao Y, Tuo B, Zheng S.

  Journal of Cancer 2017 Jun; 8(9):1568.

  Application: IHC-P, Human, Human intrahepatic cholangiocarcinoma

Disease

- Cerebral Infarction
- Crohn Disease
- Genetic Predisposition to Disease
- Inflammation
- Myocardial Infarction