

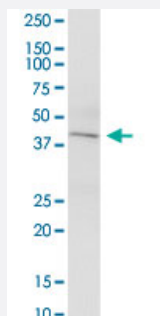
MaxPab®

KCNN4 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00003783-B01P

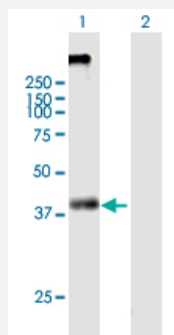
Size 50 ug

Applications



Western Blot (Tissue lysate)

KCNN4 MaxPab polyclonal antibody. Western Blot analysis of KCNN4 expression in human kidney.



Western Blot (Transfected lysate)

Western Blot analysis of KCNN4 expression in transfected 293T cell line ([H00003783-T01](#)) by KCNN4 MaxPab polyclonal antibody.

Lane 1: KCNN4 transfected lysate(47.7 kDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human KCNN4 protein.

Immunogen

KCNN4 (NP_002241.1, 1 a.a. ~ 427 a.a) full-length human protein.

Sequence

MGDDLVLGLGALRRRKRLLEQEKSLAGWALVLAGTGIGLMVLHAEMLWFGGCSWALYFLVKCT
ISISTFLLCLVAFHAKEVQLFMTDNGLRDWRVALTGRQAAQVLELVVCGLHPAPVRGPVQD
LGAPLTSPQPWPFGFLGQGEALLSLAMLLRLYLVPRAVLLRSGVLLNASYRSIGALNQVRFRHWFV
AKLYMNTHPGRLLLGLTLGLWLTAWVLSVAERQAVNATGHLSDTLWLIPITFLTIGYGDVVPSTM
WGKIVCLCTGVMGVCCCTALLVAVVARKLEFNKAKEKHVHNFMMDIQYTKEMKESAARVLQEAWM
FYKHTRRKESHAARRHQRKLLAANAFRQVRLKHKLRQVNSMVDISKMHMILYDLQQNLSSSH
RALEKQIDTLAGKLDALTELLSTALGPRQLPEPSQQSK

Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Rat (86)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

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[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of KCNN4 expression in transfected 293T cell line ([H00003783-T01](#)) by KCNN4 MaxPab polyclonal antibody.

Lane 1: KCNN4 transfected lysate(47.7 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — KCNN4

Entrez GeneID	3783
GeneBank Accession#	NM_002250.2
Protein Accession#	NP_002241.1
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

- [Sex differences in endothelial function in porcine coronary arteries: a role for H2O2 and gap junctions?](#)

Wong PS, Roberts RE, Randall MD.

British Journal of Pharmacology 2014 Jun; 171(11):2751.

Application: WB-Ti, Pig, Porcine coronary arteries, Kidney

Disease

- [Cerebral Infarction](#)
- [Crohn Disease](#)
- [Genetic Predisposition to Disease](#)
- [Inflammation](#)
- [Myocardial Infarction](#)