

Datasheet for ABIN2776145
anti-KCNN1 antibody (C-Term)[Go to Product page](#)

1 Image

1 Publication

Overview

Quantity:	100 µL
Target:	KCNN1
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Guinea Pig, Cow, Dog, Horse, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNN1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human KCNN1
Sequence:	KIEQGKLNDQ ANTLTDLAKT QTVMYDLVSE LHAQHHEELA RLATLESRLD
Predicted Reactivity:	Cow: 93%, Dog: 93%, Guinea Pig: 79%, Horse: 92%, Human: 100%, Pig: 93%, Rat: 85%
Characteristics:	This is a rabbit polyclonal antibody against KCNN1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	KCNN1
Alternative Name:	KCNN1 (KCNN1 Products)

Target Details

Background:	<p>Action potentials in vertebrate neurons are followed by an afterhyperpolarization (AHP) that may persist for several seconds and may have profound consequences for the firing pattern of the neuron. Each component of the AHP is kinetically distinct and is mediated by different calcium-activated potassium channels. The protein encoded by this gene is activated before membrane hyperpolarization and is thought to regulate neuronal excitability by contributing to the slow component of synaptic AHP. The encoded protein is an integral membrane protein that forms a voltage-independent calcium-activated channel with three other calmodulin-binding subunits. KCNN1 is a member of the KCNN family of potassium channels.</p> <p>Alias Symbols: SK1, hSK1, SKCA1, KCa2.1</p> <p>Protein Interaction Partner: UBC,</p> <p>Protein Size: 543</p>
Molecular Weight:	60 kDa
Gene ID:	3780
NCBI Accession:	NM_002248 , NP_002239
UniProt:	Q6DJU4

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 543 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C

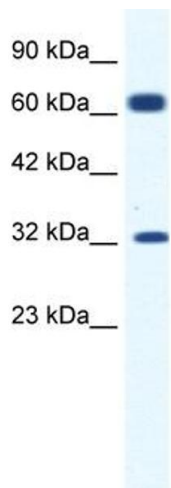
Handling

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in: Mullins, Crawford, Khuder, Hernandez, Yoon, Willey: "CEBPG transcription factor correlates with antioxidant and DNA repair genes in normal bronchial epithelial cells but not in individuals with bronchogenic carcinoma." in: **BMC cancer**, Vol. 5, pp. 141, (2005) ([PubMed](#)).

Images



Western Blotting

Image 1. WB Suggested Anti-KCNN1 Antibody Titration: 1.25ug/ml ELISA Titer: 1:312500 Positive Control: Jurkat cell lysate