Datasheet for ABIN6142711

anti-KCNH1 antibody (AA 813-962)

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1 Image

Overview

Quantity:	100 µL
Target:	KCNH1
Binding Specificity:	AA 813-962
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNH1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 813-962 of human KCNH1 (NP_002229.1).
Sequence:	FKDACGKSED WNKVSKAESM ETLPERTKAS GEATLKKTDS CDSGITKSDL RLDNVGEARS PQDRSPILAE VKHSFYPIPE QTLQATVLEV RHELKEDIKA LNAKMTNIEK QLSEILRILT SRRSSQSPQE LFEISRPQSP ESERDIFGAS
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	KCNH1

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Target Details

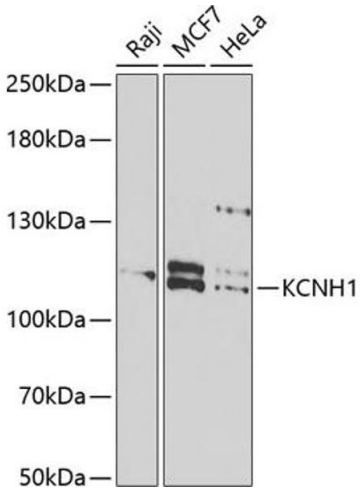
Alternative Name:	KCNH1 (KCNH1 Products)
Background:	Voltage-gated potassium (Kv) channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. This gene encodes a member of the potassium channel, voltage-gated, subfamily H. This member is a pore-forming (alpha) subunit of a voltage-gated non-inactivating delayed rectifier potassium channel. It is activated at the onset of myoblast differentiation. The gene is highly expressed in brain and in myoblasts. Overexpression of the gene may confer a growth advantage to cancer cells and favor tumor cell proliferation. Alternative splicing of this gene results in two transcript variants encoding distinct isoforms.,KCNH1,EAG,EAG1,Kv10.1,TMBTS,ZLS1,h-eag,hEAG1,Neuroscience,KCNH1
Molecular Weight:	108 kDa/111 kDa
Gene ID:	3756
UniProt:	O95259

Application Details

Application Notes:	WB,1:500 - 1:2000
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using KCNH1 antibody (ABIN6132044, ABIN6142711, ABIN6142712 and ABIN6222331) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 90s.

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