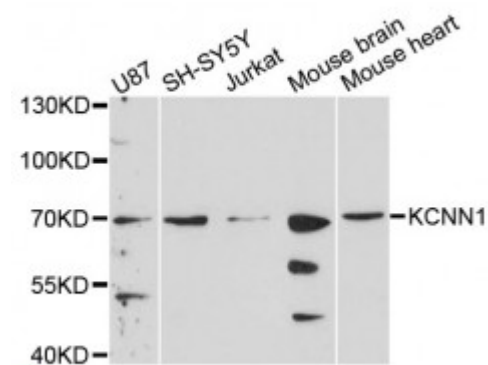


Anti-KCNN1 Antibody



Description

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. This gene is a member of the KCNN family of potassium channel genes.

Model	STJ113634
Host	Rabbit
Reactivity	Human, Mouse
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-90 of human KCNN1 (NP_002239.2).
Gene ID	3780
Gene Symbol	KCNN1
Dilution range	WB 1:500 - 1:2000
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Small conductance calcium-activated potassium channel protein 1 SK1 SKCa

	1 SKCa1 KCa2.1
Molecular Weight	59.987 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:6290OMIM:602982Reactome:R-HSA-1296052
Alternative Names	Small conductance calcium-activated potassium channel protein 1 SK1 SKCa1 SKCa1 KCa2.1
Function	Forms a voltage-independent potassium channel activated by intracellular calcium, Activation is followed by membrane hyperpolarization, Thought to regulate neuronal excitability by contributing to the slow component of synaptic afterhyperpolarization, The channel is blocked by apamin ,
Cellular Localization	Membrane

St John's Laboratory Ltd

F +44 (0)207 681 2580

T +44 (0)208 223 3081

W <http://www.stjohnslabs.com/>

E info@stjohnslabs.com