



## KCNN3 (SK3) Polyclonal Antibody

Cat No: HR1AP9441

For research use only

### Overview

Product Name	KCNN3 (SK3) Polyclonal Antibody
Source	Rabbit
Applications	IHC-p
Species Reactivity	Human,Rat
Recommended Dilutions	
Immunogen	
Species	Rabbit
Storage	-20°C/1 year
Isotype	
Clonality	
Concentration	1 mg/ml
Observed band	82kDa
GenelD?Human?	KCNN3
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	Small conductance calcium-activated potassium channel protein 3 (SK3) (SKCa 3) (SKCa3) (KCa2.3)
Background	potassium calcium-activated channel subfamily N member 3(KCNN3) Homo sapiens 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. This gene belongs to the KCNN family of potassium channels. It encodes an integral membrane protein that forms a voltage-independent calcium-activated channel, which is thought to regulate neuronal excitability by contributing to the slow component of synaptic AHP. This gene contains two CAG repeat regions in the coding sequence. It was thought that expansion of one or both of these repeats could lead to an increased susceptibility to schizophrenia or bipolar disorder, but studies indicate that this is probably not the case. Alternatively spliced transcript