ELK Biotechnology

KCNN3 (SK3) rabbit pAb

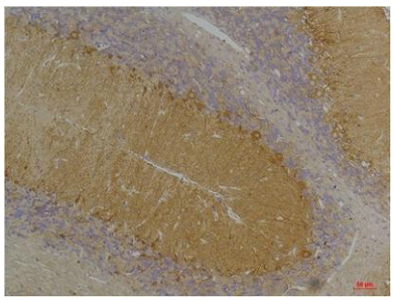
Cat No.:ES20694

For research use only

Overview

Product Name	KCNN3 (SK3) rabbit pAb
Host species	Rabbit
Applications	IHC;IF
Species Cross-Reactivity	Human;Rat
Recommended dilutions	IHC 1:100-200
Immunogen	Synthetic Peptide of KCNN3 (SK3) AA range: 161-211
Specificity	KCNN3(SK3) protein(A246) detects endogenous levels of KCNN3(SK3)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Small conductance calcium-activated potassium channel protein 3 (SK3) (SKCa 3) (SKCa3) (KCa2.3)
Gene Name	KCNN3
Cellular localization	Membrane; Multi-pass membrane protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	82kD
Human Gene ID	3782
Human Swiss-Prot Number	Q9UGI6
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 v



Immunohistochemical analysis of paraffin-embedded Rat BrainTissue using KCNN3(SK3) Rabbit pAb diluted at 1:200.