



# KCNN2 (SK2) rabbit pAb

Cat No.:ES20695

For research use only

## Overview

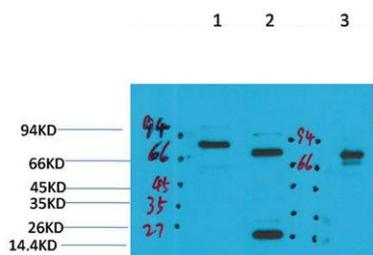
<b>Product Name</b>	KCNN2 (SK2) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF
<b>Species Cross-Reactivity</b>	Human;Rat;Mouse
<b>Recommended dilutions</b>	WB 1:1000-2000, IHC 1:100-200
<b>Immunogen</b>	Synthetic Peptide of KCNN2 (SK2)
<b>Specificity</b>	KCNN2(SK2) protein(A244) detects endogenous levels of KCNN2(SK2)
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	
<b>Gene Name</b>	
<b>Cellular localization</b>	smooth endoplasmic reticulum,plasma membrane,cell surface,integral component of membrane,Z disc,T-tubule,neuronal cell body,dendritic spine,
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	70,26kD
<b>Human Gene ID</b>	3781
<b>Human Swiss-Prot Number</b>	Q6PJI0
<b>Alternative Names</b>	YM3565
<b>Background</b>	potassium calcium-activated channel subfamily N member 2(KCNN2) 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



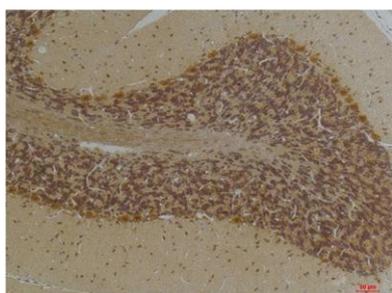


and is mediated by different calcium-activated potassium channels. The protein encoded by this gene is activated before membrane hyperpolarization and is thought to regulate neuronal excitability by contributing to the slow component of synaptic AHP. This gene is a member of the KCNN family of potassium channel genes. The encoded protein is an integral membrane protein that forms a voltage-independent calcium-activated channel with three other calmodulin-binding subunits. Alternate splicing of this gene results in multiple transcript variants. [provided by RefSeq, May 2013],

Western blot analysis of 1) Rat BrainTissue, 2) Mouse Brain Tissue, 3) HepG2 with KCNN2(SK2) Rabbit pAb diluted at 1:2,000.



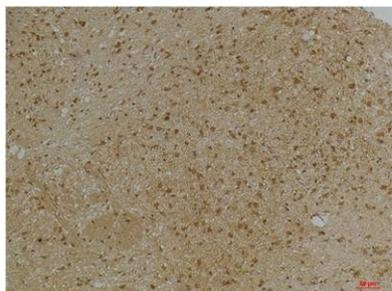
Immunohistochemical analysis of paraffin-embedded Human BrainTissue using KCNN2(SK2) Rabbit pAb diluted at 1:200.





**ELK Biotechnology**

Immunohistochemical analysis of paraffin-embedded  
Mouse BrainTissue using KCNN2(SK2) Rabbit pAb diluted  
at 1:200.



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