ELK Biotechnology

Kir4.1 rabbit pAb

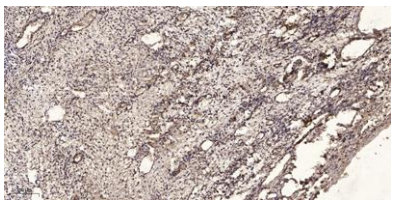
Cat No.:ES20238

For research use only

Overview

Product Name	Kir4.1 rabbit pAb
Host species	Rabbit
Applications	WB;IHC
Species Cross-Reactivity	Human;Rat;Mouse
Recommended dilutions	WB 1:500-2000;IHC-p 1:50-300
Immunogen	Synthesized peptide derived from human Kir4.1 AA range: 160-240
Specificity	This antibody detects endogenous levels of Human,Rat,Mouse Kir4.1
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	Kir4.1
Gene Name	KCNJ10
Cellular localization	Membrane ; Multi-pass membrane protein. Basolateral cell membrane . In kidney distal convoluted tubules, located in the basolateral membrane where it colocalizes with KCNJ16. .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	3766
Human Swiss-Prot Number	P78508
Alternative Names	ATP-sensitive inward rectifier potassium channel 10 (ATP-dependent inwardly rectifying potassium channel Kir4.1;Inward rectifier K(+) channel Kir1.2;Potassium channel, inwardly rectifying subfamily J member 10)
Background	This gene encodes a member of the inward rectifier-type potassium channel family,

characterized by having a greater tendency to allow potassium to flow into, rather than out of, a cell. The encoded protein may form a heterodimer with another potassium channel protein and may be responsible for the potassium buffering action of glial cells in the brain. Mutations in this gene have been associated with seizure susceptibility of common idiopathic generalized epilepsy syndromes. [provided by RefSeq, Jul 2008],



Immunohistochemical analysis of paraffin-embedded human oophoroma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).