ELK Biotechnology

Kv10.1 rabbit pAb

Cat No.:ES20685

For research use only

Overview

Product Name	Kv10.1 rabbit pAb
Host species	Rabbit
Applications	IHC;IF
Species Cross-Reactivity	Human;Rat;Mouse
Recommended dilutions	IHC 1:100-200
Immunogen	Synthetic Peptide of Kv10.1 AA range: 335-385
Specificity	Kv10.1 protein(A259) detects endogenous levels of Kv10.1
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	Potassium voltage-gated channel subfamily G member 3 (Voltage-gated potassium channel subunit Kv10.1) (Voltage-gated potassium channel subunit Kv6.3)
Gene Name	KCNG3
Cellular localization	Cell membrane ; Multi-pass membrane protein . Cytoplasm . Has to be associated with KCNB1 or possibly another partner to get inserted in the plasma membrane (PubMed:12060745). Colocalizes with KCNB1 at the plasma membrane (PubMed:12060745, PubMed:19074135
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	50kD
Human Gene ID	170850
Human Swiss-Prot Number	Q8TAE7
Alternative Names	KCNG3; Potassium voltage-gated channel subfamily G member 3; Voltage-gated potassium channel subunit Kv10.1; Voltage-gated potassium channel

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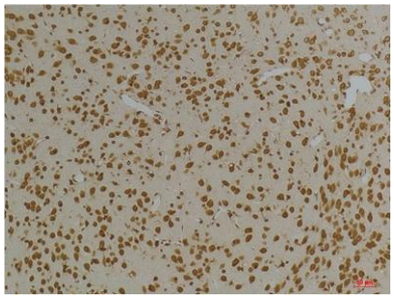
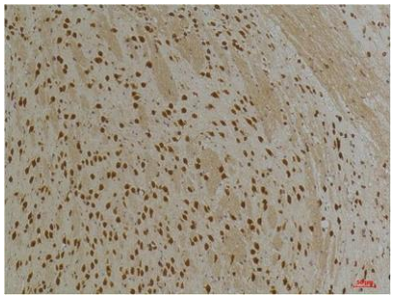
Background

subunit Kv6.3
Voltage-gated potassium (Kv) channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. This gene encodes a member of the potassium channel, voltage-gated, subfamily G. This member is a gamma subunit functioning as a modulatory molecule. Alternative splicing results in two transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2008],

Immunohistochemical analysis of paraffin-embedded Rat BrainTissue using Kv10.1 Rabbit pAb diluted at 1:200.



Immunohistochemical analysis of paraffin-embedded Mouse BrainTissue using Kv10.1 Rabbit pAb diluted at 1:200.



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