



Kv1.8 rabbit pAb

Cat No.:ES20686

For research use only

Overview

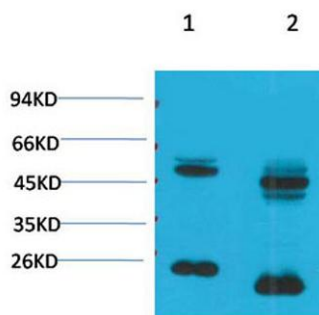
Product Name	Kv1.8 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF
Species Cross-Reactivity	Human;Rat;Mouse
Recommended dilutions	WB 1:1000-2000, IHC 1:100-200
Immunogen	Synthetic Peptide of Kv1.8 AA range: 194-244
Specificity	Kv1.8 protein(A258) detects endogenous levels of Kv1.8
Formulation	Liquid 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 A member 10 (Voltage-gated potassium channel subunit Kv1.8)
Gene Name	KCNA10
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	58kD
Human Gene ID	3744
Human Swiss-Prot Number	Q16322
Alternative Names	Potassium voltage-gated channel subfamily A member 10 (Voltage-gated potassium channel subunit Kv1.8)
Background	Potassium 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



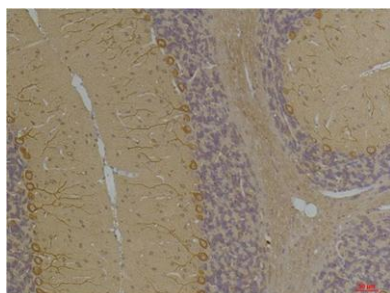


muscle contraction, and cell volume. Four sequence-related potassium channel genes - shaker, shaw, shab, and shal - have been identified in *Drosophila*, and each has been shown to have human homolog(s). This gene encodes a member of the potassium channel, voltage-gated, shaker-related subfamily. This member contains six membrane-spanning domains with a shaker-type repeat in the fourth segment. It is specifically regulated by cGMP and postulated to mediate the effects of substances that increase intracellular cGMP. This gene is intronless, and the gene is clustered with genes *KCNA*

Western blot analysis of 1) Rat Brain Tissue, 2) Mouse Brain Tissue with KV1.8 Rabbit pAb diluted at 1:2,000.



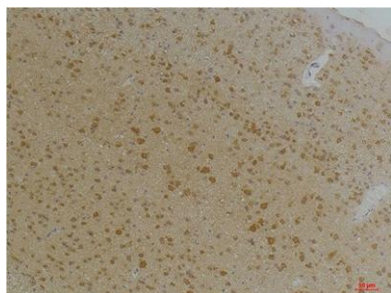
Immunohistochemical analysis of paraffin-embedded Rat Brain Tissue using Kv1.8 Rabbit pAb diluted at 1:200.





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Immunohistochemical analysis of paraffin-embedded
Mouse BrainTissue using Kv1.8 Rabbit pAb diluted at
1:200.



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