



KCNH4 mouse mAb

Catalog No	YP-mAb-11472
Isotype	IgG
Reactivity	Human;Rat
Applications	WB
Gene Name	KCNH4
Protein Name	KCNH4
Immunogen	Synthesized peptide derived from human KCNH4.AA range:180-250
Specificity	This antibody detects endogenous levels of KCNH4 at Human/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	
Cell Pathway	Membrane; Multi-pass membrane protein.
Tissue Specificity	Detected only in brain, in particular in the telencephalon. Detected in putamen and caudate nucleus, and at lower levels in cerebral cortex, occipital and hippocampus.
Function	domain:The segment S4 is probably the voltage-sensor and is characterized by a series of positively charged amino acids at every third position.,function:Pore-forming (alpha) subunit of voltage-gated potassium channel. Elicits an outward current, but shows no inactivation. Channel properties may be modulated by cAMP and subunit assembly.,similarity:Belongs to the potassium channel family. H (Eag) subfamily.,similarity:Contains 1 cyclic nucleotide-binding domain.,similarity:Contains 1 PAC (PAS-associated C-terminal) domain.,similarity:Contains 1 PAS (PER-ARNT-SIM) domain.,subunit:The potassium channel is probably composed of a homo- or heterotetrameric complex of pore-forming alpha subunits that can associate with modulating beta subunits.,tissue specificity:Detected only in brain, in particular in the telencephalon. Detected in putamen and caudate nucleus, and at lower levels in cerebral



Background

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 H. This member is a pore-forming (alpha) subunit. The gene is brain-specific, and located in the neocortex and the striatum. It may be involved in cellular excitability of restricted neurons in the central nervous system. [provided by RefSeq, Jul 2008],

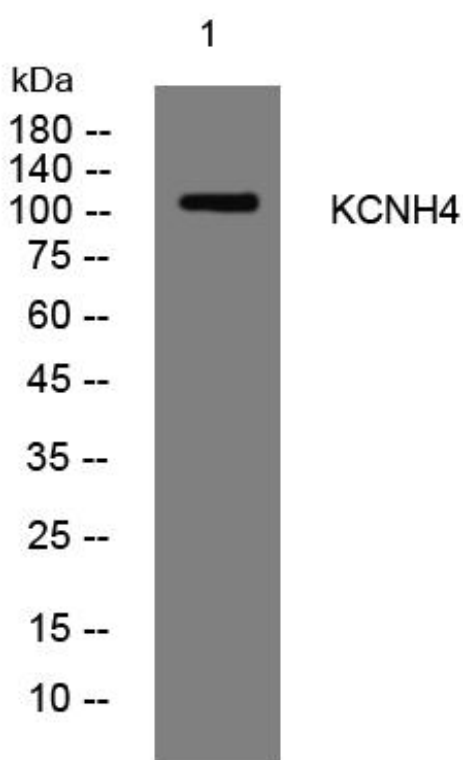
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using KCNH4 mouse mAb