KCNQ2 Mouse mAb

Catalog No	YP-mAb-18812
Isotype	IgG
Reactivity	Human,Mouse;Rat
Applications	WB
Gene Name	KCNQ2
Protein Name	
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 466-665 of human KCNQ2 (NP_742105.1).
Specificity	
Formulation	PBS with 0.01% thimerosal,50% glycerol,pH7.3.
Source	Monoclonal, Mouse,IgG
Purification	Affinity purification
Dilution	WB 1:500-1:1000
Concentration	1 mg/ml
Purity	⩾90%
Storage Stability	-20°C/1 year
Synonyms	EBN; BFNC; DEE7; EBN1; ENB1; HNSPC; KV7.2; KCNA11; KCNQ2
Observed Band	95kDa
Calculated Molecular Weight	96kDa
Cell Pathway	
Tissue Specificity	
Function	
Background	The M channel is a slowly activating and deactivating potassium channel that plays a critical role in the regulation of neuronal excitability. The M channel is formed by the association of the protein encoded by this gene and a related protein encoded by the KCNQ3 gene, both integral membrane proteins. M channel currents are inhibited by M1 muscarinic acetylcholine receptors and activated by retigabine, a novel anti-convulsant drug.

	Defects in this gene are a cause of benign familial neonatal convulsions type 1 (BFNC), also known as epilepsy, benign neonatal type 1 (EBN1). At least five transcript variants encoding five different isoforms have been found for this gene
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.

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