KCNQ2 rabbit monoclonal antibody

Catalog # H00003785-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human KCNQ2 peptide using ARM Technology.
Immunogen	A synthetic peptide of human KCNQ2 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human KCNQ2 peptide by ELISA and mammalian transfected lysate by W estern Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — KCNQ2

Entrez GeneID	3785
GeneBank Accession#	KCNQ2
Gene Name	KCNQ2
Gene Alias	BFNC, EBN, EBN1, ENB1, HNSPC, KCNA11, KV7.2, KVEBN1
Gene Description	potassium voltage-gated channel, KQT-like subfamily, member 2
Omim ID	121200 602235 606437
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq
Other Designations	neuroblastoma-specific potassium channel protein|potassium voltage-gated channel KQT-like protein 2

Disease

- Epilepsy
- Genetic Predisposition to Disease
- Syndrome