KCNQ2 Polyclonal Antibody

Catalog No: #30402

Package Size: #30402-1 50ul #30402-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

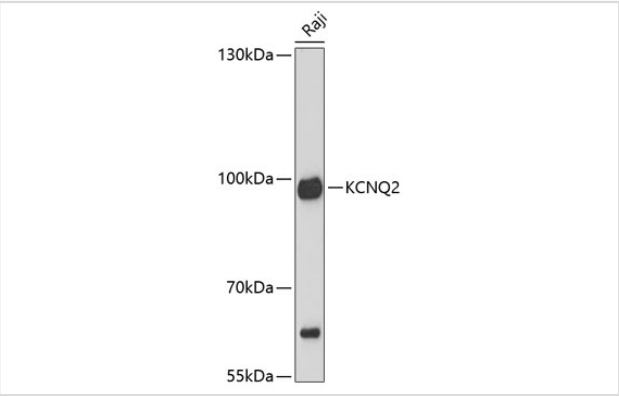
Description

Product Name	KCNQ2 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human KCNQ2 (NP_742107.1).
Other Names	KCNQ2; BFNC; EBN; EBN1; ENB1; HNSPC; KCNA11; KV7.2; potassium voltage-gated channel subfamily Q member 2
Accession No.	Swiss-Prot#:O43526NCBI Gene ID:3785
Uniprot	O43526
GeneID	3785;
Calculated MW	96kDa
Formulation	Avoid freeze / thaw cycles.|Buffer: PBS with 50% glycerol, pH7.4.
Storage	Store at -20°C

Application Details

WB□1:500 - 1:2000

Images



Western blot analysis of extracts of Raji cells, using KCNQ2 at 1:3000 dilution.

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.

Note: This product is for in vitro research use only