KCNQ2 Rabbit Polyclonal Antibody

CAB1917

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

96kDa

Calculated MW:

44kDa/92kDa/93kDa/94kDa/
95kDa

Applications:

WB

Reactivity:

Human, Mouse, Rat

Antibody Information

Recommended dilutions:
WB 1:500 - 1:2000

Source:
Rabbit

Isotype:
IgG

Purification:
Affinity purification

Protein 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.

Immunogen information

Gene ID:
3785

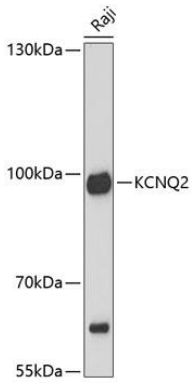
Uniprot
O43526

Synonyms:
KCNQ2; BFNC; EBN; EBN1; ENB1; HNSPC; KCNA11; KV7.2

Immunogen:
Recombinant fusion protein containing a sequence corresponding to amino acids 254-393 of human KCNQ2 (NP_742107.1).

Storage:
Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Product Images



Western blot analysis of extracts of Raji cells, using KCNQ2 antibody (CAB1917) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 90s.

