

Product datasheet for TA338751

KCNQ2 Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Recommended Dilution: WB

Reactivity: Human

Host: Rabbit

Isotype: IgG

Clonality: Polyclonal

Immunogen: The immunogen for anti-KCNQ2 antibody: synthetic peptide directed towards the N terminal

of human KCNQ2. Synthetic peptide located within the following region:

YRGWRGRLKFARKPFCVIDIMVLIASIAVLAAGSQGNVFATSALRSLRFL

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Concentration: lot specific

Purification: Protein A purified

Conjugation: Unconjugated

Storage: Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Predicted Protein Size: 93 kDa

Gene Name: potassium voltage-gated channel subfamily Q member 2

Database Link: NP 742107

Entrez Gene 3785 Human

043526



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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. [provided by RefSeq, Jul 2008]

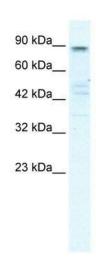
Synonyms: BFNC; BFNS1; EBN; EBN1; EIEE7; ENB1; HNSPC; KCNA11; KV7.2; KVEBN1

Note: Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human:

100%; Mouse: 100%; Bovine: 100%; Guinea pig: 100%; Zebrafish: 93%; Rabbit: 86%

Protein Families: Druggable Genome, Ion Channels: Potassium, Transmembrane

Product images:



WB Suggested Anti-KCNQ2 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:12500; Positive Control: HepG2 cell lysate

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