

Product datasheet for **TA371964S**

KCNQ3 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 500-2000 WB positive control: PC3 cell lysate
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human KCNQ3
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	97 kDa
Gene Name:	potassium voltage-gated channel subfamily Q member 3
Database Link:	Entrez Gene 3786 Human O43525

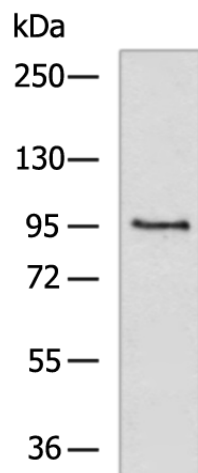
Background: This gene encodes a protein that functions in the regulation of neuronal excitability. The encoded protein forms an M-channel by associating with the products of the related KCNQ2 or KCNQ5 genes, which both encode integral membrane proteins. M-channel currents are inhibited by M1 muscarinic acetylcholine receptors and are activated by retigabine, a novel anti-convulsant drug. Defects in this gene are a cause of benign familial neonatal convulsions type 2 (BFNC2), also known as epilepsy, benign neonatal type 2 (EBN2). Alternative splicing of this gene results in multiple transcript variants.

Synonyms: BFNC2; EBN2; KV7.3



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Product images:



Gel: 6%SDS-PAGE
Lysate: 40 μ g
Lane: PC3 cell lysate
Primary antibody: [TA371964] (KCNQ3 Antibody)
at dilution 1/500
Secondary antibody: Goat anti rabbit IgG at
1/5000 dilution
Exposure time: 40 seconds