

For Research Use Only

KCNQ3 Polyclonal antibody

Catalog Number: 19966-1-AP **2 Publications**



Basic Information

Catalog Number: 19966-1-AP	GenBank Accession Number: NM_004519	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop;	GeneID (NCBI): 3786	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	Full Name: potassium voltage-gated channel, KQT-like subfamily, member 3	
Isotype: IgG	Calculated MW: 97 kDa	
	Observed MW: 90 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : pig heart tissue,
Cited Applications: WB	
Species Specificity: human, pig	
Cited Species: mouse	

Background Information

KCNQ3, also named as BFNC2, EBN2 and KV7.3, belongs to the potassium channel family and KQT subfamily. KCNQ3 is probably important in the regulation of neuronal excitability. Associates with KCNQ2 or KCNQ5, KCNQ3 forms a potassium channel with essentially identical properties to the channel underlying the native M-current, a slowly activating and deactivating potassium conductance which plays a critical role in determining the subthreshold electrical excitability of neurons as well as the responsiveness to synaptic inputs. Defects in KCNQ3 are the cause of benign neonatal epilepsy type 2 (EBN2). The antibody recognizes the C-term of KCNQ3.

Notable Publications

Author	Pubmed ID	Journal	Application
Alejandra Cabello-Arreola	32120974	Genes (Basel)	WB
Shicheng Jiang	38049972	Hippocampus	WB

Storage

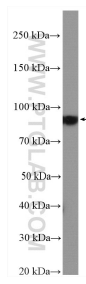
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
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Selected Validation Data



pig heart tissue were subjected to SDS PAGE followed by western blot with 19966-1-AP (KCNQ3 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.