

For Research Use Only

# KCNQ3 Polyclonal antibody

Catalog Number: 24580-1-AP



## Basic Information

<b>Catalog Number:</b> 24580-1-AP	<b>GenBank Accession Number:</b> BC128576	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 450 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3786	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Rabbit	<b>Full Name:</b> potassium voltage-gated channel, KQT-like subfamily, member 3	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 872 aa, 97 kDa	
<b>Immunogen Catalog Number:</b> AG20147	<b>Observed MW:</b> ~90 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : mouse brain tissue, rat brain tissue
<b>Species Specificity:</b> human, mouse, rat	

## 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).

## Storage

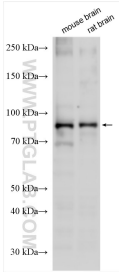
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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# Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 24580-1-AP (KCNQ3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.