For Research Use Only

KCNQ3 Polyclonal antibody

Catalog Number:24580-1-AP

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Basic Information

Catalog Number:
24580-1-AP

Size:
150ul , Concentration: 450 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG20147

GenBank Accession Number:
BC128576

GeneID (NCBI):
3786

UNIPROT ID:
O43525

Full Name:
potassium voltage-gated channel, KQT-like subfamily, member 3

Calculated MW:
872 aa, 97 kDa

Observed MW:
~90 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:2000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human, mouse, rat

Positive Controls:

WB : mouse brain tissue, rat brain tissue

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
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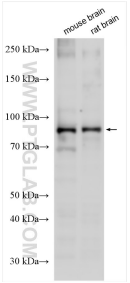
Selected Validation Data



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.