

For Research Use Only

KCND3 Polyclonal antibody

Catalog Number: 25468-1-AP



Basic Information

Catalog Number:

25468-1-AP

Size:

150ul, Concentration: 300 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG22183

GenBank Accession Number:

BC113477

GeneID (NCBI):

3752

UNIPROT ID:

Q9UK17

Full Name:

potassium voltage-gated channel, Shal-related subfamily, member 3

Calculated MW:

655 aa, 73 kDa

Observed MW:

73 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: rat brain tissue, 37°C incubated rat brain tissue

IHC: mouse brain tissue, mouse cerebellum tissue, rat brain tissue

Background Information

KCND3 gene encodes the voltage-gated potassium ion channel subfamily D member 3, a six trans-membrane protein (Kv4.3), involved in the transient outward K⁺ current. KCND3 gene defect causes both cardiological and neurological syndromes. Kv4.3 contributes to the cardiac transient outward potassium current (Ito1), the main contributing current to the repolarizing phase 1 of the cardiac action potential.

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

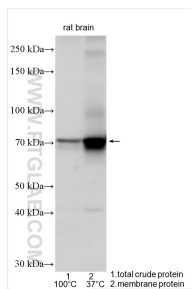
For technical support and original validation data for this product please contact:

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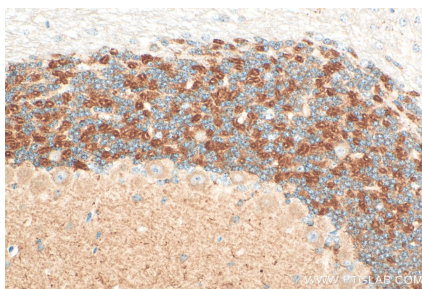
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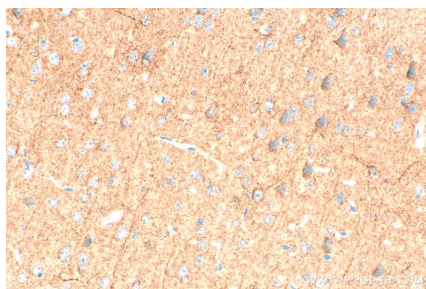
Selected Validation Data



Rat brain tissues (heated at 100 °C, heated at 37°C) lysates were subjected to SDS PAGE followed by western blot with 25468-1-AP (KCND3 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 25468-1-AP (KCND3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 25468-1-AP (KCND3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).