

For Research Use Only

Kir4.1 Polyclonal antibody

Catalog Number: 12503-1-AP

11 Publications



Basic Information

Catalog Number:

12503-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3182

GenBank Accession Number:

BC034036

GeneID (NCBI):

3766

UNIPROT ID:

P78508

Full Name:

potassium inwardly-rectifying channel, subfamily J, member 10

Calculated MW:

379 aa, 41 kDa

Observed MW:

41 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:5000-1:50000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IHC, IF, CoIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, rabbit

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 : mouse brain tissue, human brain tissue

IP : rat brain tissue,

IHC : human gliomas tissue, human brain tissue, mouse brain tissue

Notable Publications

Author	Pubmed ID	Journal	Application
Mariapaola Marino	28548026	Mult Scler	WB
Jialei Yang	27003605	Glia	
Heather R Minkel	26190408	Glia	IF

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

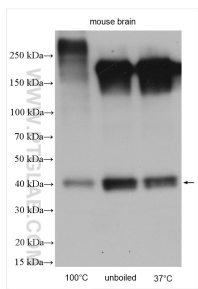
For technical support and original validation data for this product please contact:

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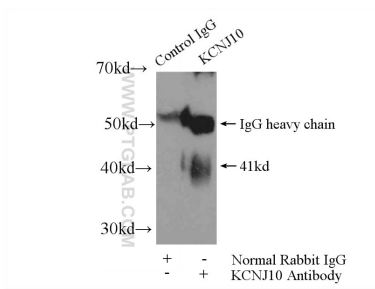
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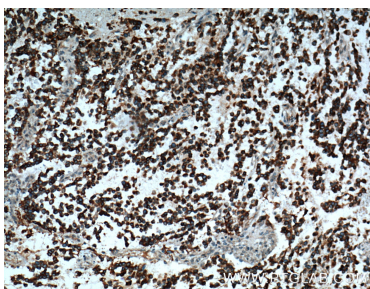
Selected Validation Data



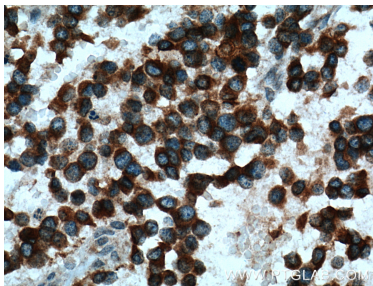
mouse brain tissues (heated at 100°C, unboiled, heated at 37°C) were subjected to SDS PAGE followed by western blot with 12503-1-AP (Kir4.1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



IP result of anti-Kir4.1 (IP:12503-1-AP, 4ug; Detection:12503-1-AP 1:500) with rat brain tissue lysate 4800ug.



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 12503-1-AP (Kir4.1 antibody at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 12503-1-AP (Kir4.1 antibody at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).