

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

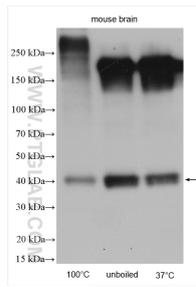
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

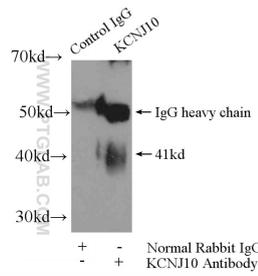
E: proteintech@ptglab.com  
W: ptglab.com

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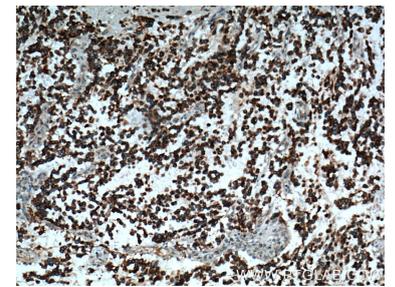
## Selected Validation Data



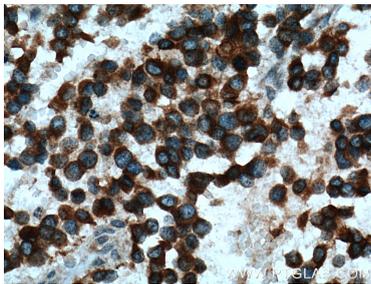
mouse brain tissues (heated at 100°C, unboiled, heated at 37°C) were subjected to SDS PAGE followed by western blot with 12503-1-AP (Kir4.1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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).