

ARPP-19 Polyclonal antibody

Catalog Number: 11678-1-AP

Featured Product

6 Publications

Basic Information

Catalog Number:

11678-1-AP

Size:

600 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2279

GenBank Accession Number:

BC003418

GeneID (NCBI):

10776

UNIPROT ID:

P56211

Full Name:

cyclic AMP phosphoprotein, 19 kD

Calculated MW:

19 kDa

Observed MW:

19 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

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

IHC 1:250-1:1000

IF/ICC 1:10-1:100

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IP

Species Specificity:

human, mouse, rat

Cited Species:

human

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: Jurkat cells, A375 cells, A549 cells, mouse brain tissue, rat skeletal muscle tissue

IP: mouse brain tissue,

IHC: human gliomas tissue,

IF/ICC: A375 cells,

Background Information

ARPP-19, a 19-kDa cAMP-regulated phosphoprotein, plays a role in regulating mitosis. Initiation and maintenance of mitosis require the activation of protein kinase cyclin B-Cdc2 and the inhibition of protein phosphatase 2A (PP2A). When phosphorylated by protein kinase Greatwall (Gwl), ARPP-19 associate with and inhibit PP2A, thus promoting mitotic entry. ARPP-19 may be an important link between nerve growth factor (NGF) signaling and post-transcriptional control of neuronal gene expression such as GAP-43.

Notable Publications

Author	Pubmed ID	Journal	Application
Eleonora Mäkelä	31717978	Cancers (Basel)	WB
Xiang Gao	32753897	Onco Targets Ther	WB, IHC
Haiyan Song	25547487	Int J Mol Sci	WB

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

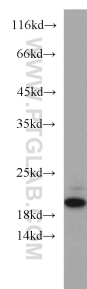
For technical support and original validation data for this product please contact:

T: 4006900926

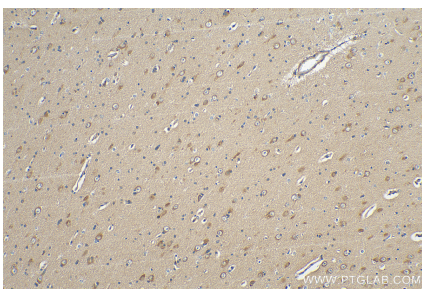
E: Proteintech-CN@ptglab.comW: ptgcn.com

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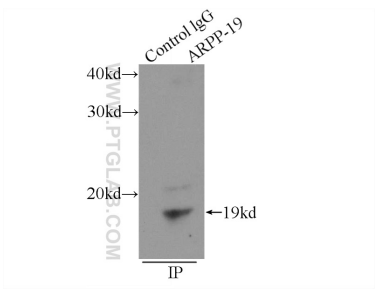
Selected Validation Data



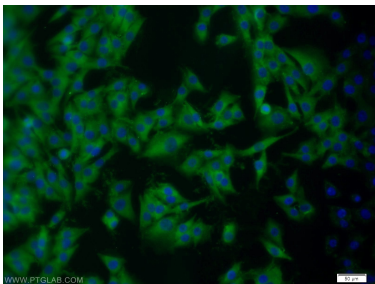
Jurkat cells were subjected to SDS PAGE followed by western blot with 11678-1-AP (ARPP-19 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 11678-1-AP (ARPP-19 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-ARPP-19 (IP:11678-1-AP, 3ug; Detection:11678-1-AP 1:500) with mouse brain tissue lysate 5200ug.



Immunofluorescent analysis of A375 cells using 11678-1-AP (ARPP-19 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).