

For Research Use Only

RPAP2 Polyclonal antibody

Catalog Number: 17401-1-AP

Featured Product

11 Publications



Basic Information

Catalog Number:

17401-1-AP

Size:

150ul, Concentration: 187 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11374

GenBank Accession Number:

BC039014

GeneID (NCBI):

79871

UNIPROT ID:

Q8IXW5

Full Name:

RNA polymerase II associated protein 2

Calculated MW:

612 aa, 70 kDa

Observed MW:

70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

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

IHC 1:50-1:500

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, ColP, IF

Species Specificity:

human, mouse

Cited Species:

human, mouse

Positive Controls:

WB : Daudi cells, MCF-7 cells, HEK-293 cells, HeLa cells, MOLT-4 cells, THP-1 cells

IP : HEK-293 cells,

IHC : human kidney tissue, mouse cerebellum tissue, mouse brain tissue

IF/ICC : HEK-293 cells,

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

Background Information

RPAP2 belongs to the RNA Pol II-associated protein (RPAP) family, a set of proteins involved in human Pol II machinery. Recently it has been reported that RPAP2 is required for efficient transcription of snRNA genes by Pol II. siRNA-mediated knockdown of RPAP2 caused defects in snRNA gene expression. (22137580)

Notable Publications

Author	Pubmed ID	Journal	Application
Justyna Zaborowska	25233083	PLoS One	WB
Ni Zuyao Z	22231121	Transcription	WB
Bo Zhang	32143485	Cells	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

*** 20ul sizes contain 0.1% BSA

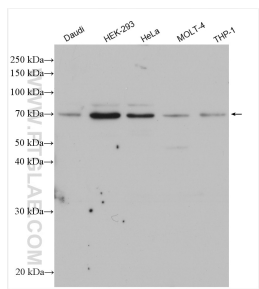
For technical support and original validation data for this product please contact:

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

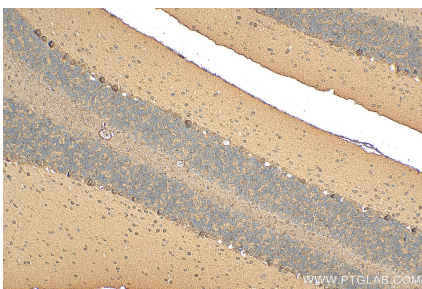
E: proteintech@ptglab.com
W: ptglab.com

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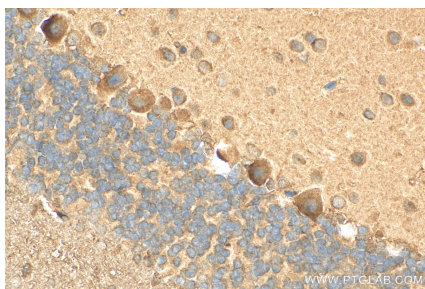
Selected Validation Data



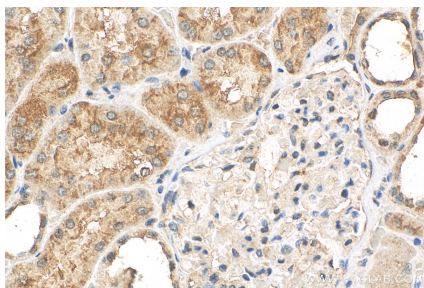
Various lysates were subjected to SDS PAGE followed by western blot with 17401-1-AP (RPAP2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



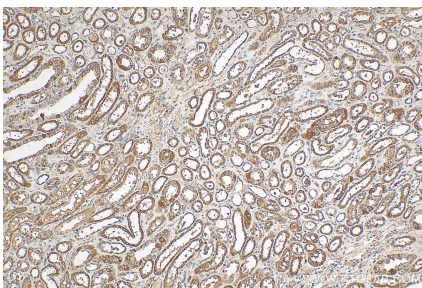
Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 17401-1-AP (RPAP2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



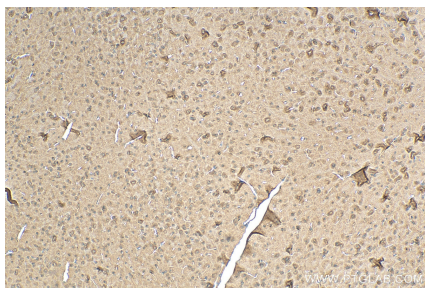
Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 17401-1-AP (RPAP2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



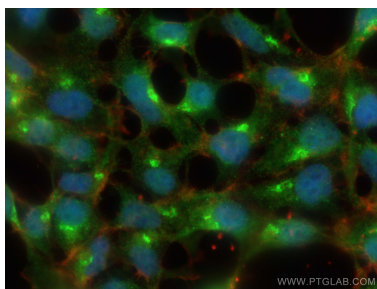
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 17401-1-AP (RPAP2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



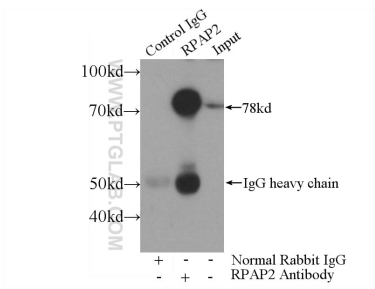
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 17401-1-AP (RPAP2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 17401-1-AP (RPAP2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using RPAP2 antibody (17401-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



IP result of anti-RPAP2 (IP:17401-1-AP, 4ug; Detection:17401-1-AP 1:1000) with HEK-293 cells lysate 2800ug.