

# RPAP2 Polyclonal antibody

Catalog Number: 17401-1-AP

Featured Product

11 Publications

## Basic Information

## Catalog Number:

17401-1-AP

## Size:

450 µg/ml

## 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 µg 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

**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 : 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,

## 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

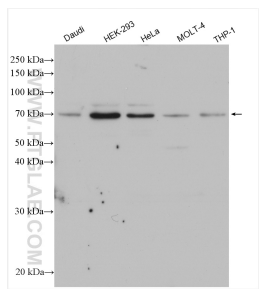
For technical support and original validation data for this product please contact:

T: 4006900926

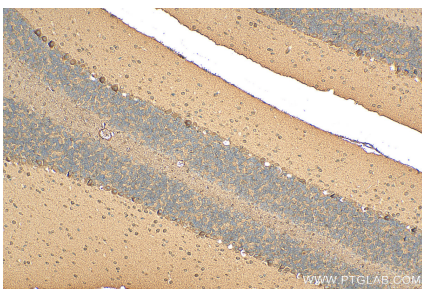
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

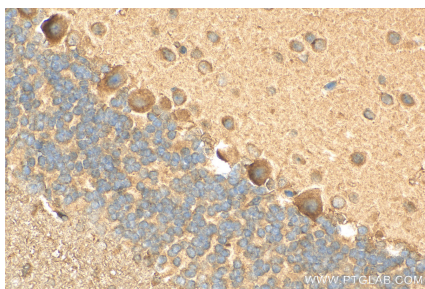
Selected Validation Data



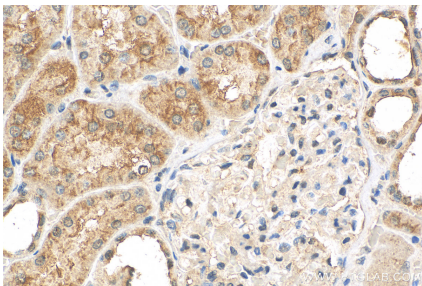
Various lysates were subjected to SDS PAGE followed by western blot with 17401-1-AP (RPAP2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



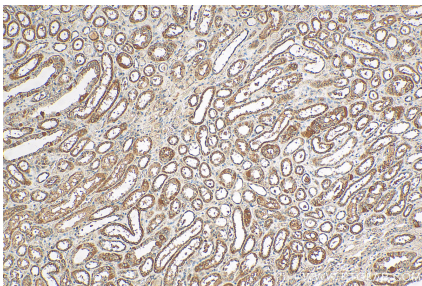
Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 17401-1-AP (RPAP2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



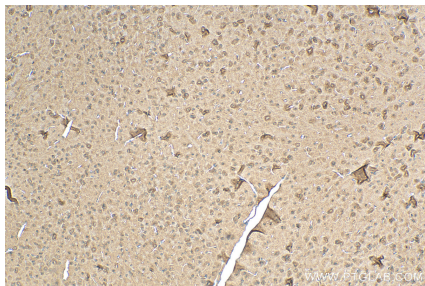
Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 17401-1-AP (RPAP2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



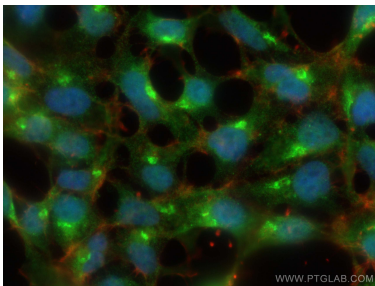
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 17401-1-AP (RPAP2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



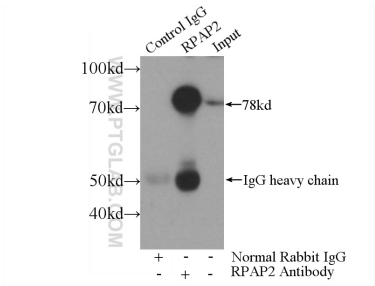
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 17401-1-AP (RPAP2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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 AffiniPure 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.