

For Research Use Only

RPAP2 Polyclonal antibody

Catalog Number: 17401-1-AP

Featured Product

9 Publications



Basic Information

Catalog Number:

17401-1-AP

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11374

GenBank Accession Number:

BC039014

GeneID (NCBI):

79871

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 IP and 1:500-1:2000 for WB

IHC 1:50-1:500

IF 1:200-1:800

Applications

Tested Applications:

IF, IHC, IP, WB, ELISA

Cited Applications:

CoIP, IF, WB

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: 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

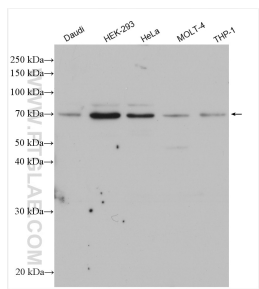
For technical support and original validation data for this product please contact:

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

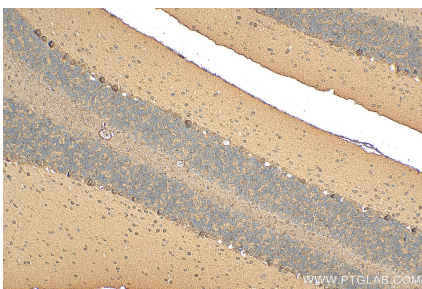
E: proteintech@ptglab.com
W: ptglab.com

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

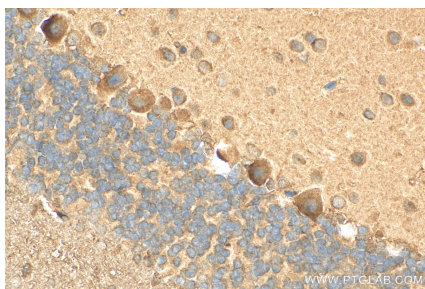
Selected Validation Data



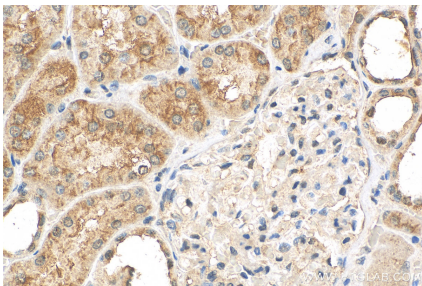
Various lysates were subjected to SDS PAGE followed by western blot with 17401-1-AP (RPAP2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



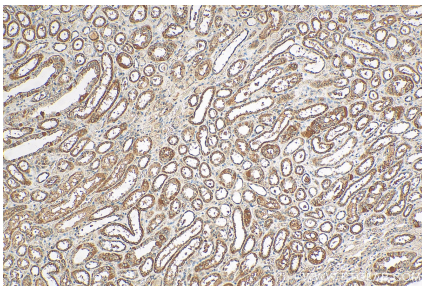
Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 17401-1-AP (RPAP2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



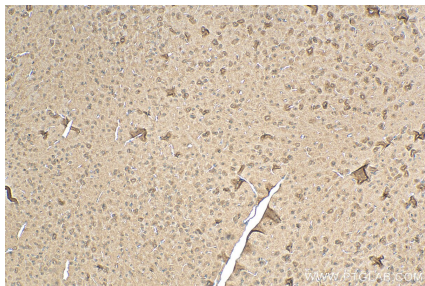
Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 17401-1-AP (RPAP2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



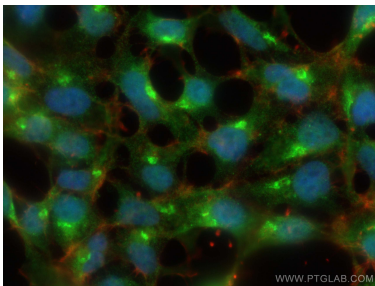
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 17401-1-AP (RPAP2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



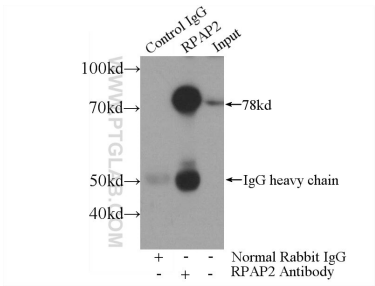
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 17401-1-AP (RPAP2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.