

For Research Use Only

POLR2I Polyclonal antibody

Catalog Number: 17270-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number:

17270-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11027

GenBank Accession Number:

BC017112

GeneID (NCBI):

5438

UNIPROT ID:

P36954

Full Name:

polymerase (RNA) II (DNA directed)
polypeptide I, 14.5kDa

Calculated MW:

125 aa, 15 kDa

Observed MW:

15 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:8000

IHC 1:500-1:2000

IF 1:50-1:500

Applications

Tested Applications:

IF/ICC, IHC, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

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 : HeLa cells, HEK-293 cells, HepG2 cells

IHC : mouse stomach tissue, rat liver tissue

IF : HepG2 cells,

Background Information

POLR2I, also known as RPB9 or hRPB14.5, is a small core subunit of RNA polymerase II involved in DNA repair and many transcription-related processes (PMID: 21450810). It is expressed in many tissues and may play a key role in the pathological process of hypertensive nephropathy (PMID: 34422001).

Notable Publications

Author	Pubmed ID	Journal	Application
Ting Huang	36102592	EMBO Rep	WB
Yuanjun Li	36113479	Mol Cell	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:

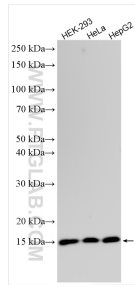
T: 4006900926

E: Proteintech-CN@ptglab.com

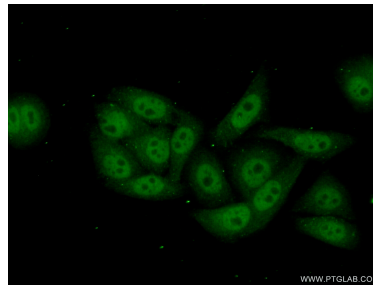
W: ptgcn.com

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

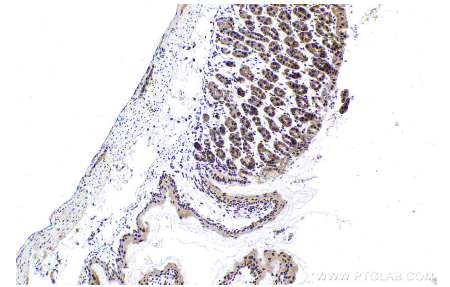
Selected Validation Data



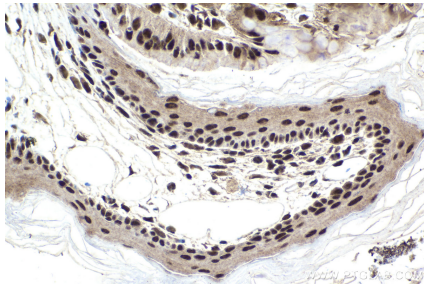
Various lysates were subjected to SDS PAGE followed by western blot with 17270-1-AP (POLR2I antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (10% Formaldehyde) fixed HepG2 cells using 17270-1-AP (POLR2I antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded mouse stomach tissue slide using 17270-1-AP (POLR2I antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse stomach tissue slide using 17270-1-AP (POLR2I antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).