

For Research Use Only

POLR2I Polyclonal antibody

Catalog Number: 17270-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number:

17270-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 187 ug/ml by Bradford method using BSA as the standard;

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/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, 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/ICC : 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

*** 20ul sizes contain 0.1% BSA

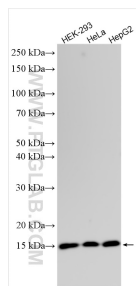
For technical support and original validation data for this product please contact:

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

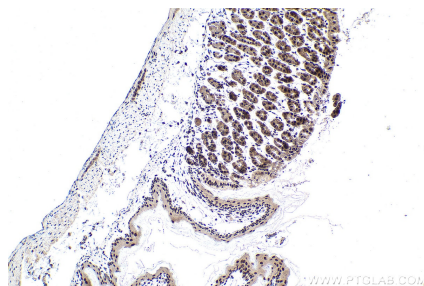
E: proteintech@ptglab.com
W: ptglab.com

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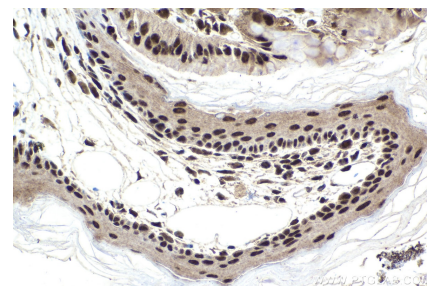
Selected Validation Data



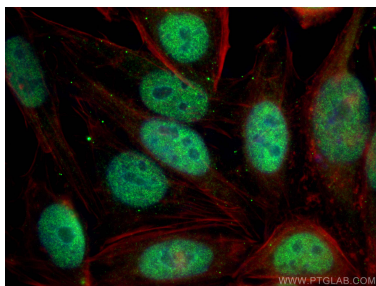
Various lysates were subjected to SDS PAGE followed by western blot with 17270-1-AP (POLR2I antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



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).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using POLR2I antibody (17270-1-AP) at dilution of 1:200 and Multi-rAb Coralite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-phalloidin (red).