

For Research Use Only

# Phospho-POLR2A (Ser7) Recombinant antibody



Catalog Number: 83932-1-RR

## Basic Information

Catalog Number:

83932-1-RR

Size:

1000  $\mu$ g/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_000937

GeneID (NCBI):

5430

UNIPROT ID:

P24928

Full Name:

polymerase (RNA) II (DNA directed)  
polypeptide A, 220kDa

Calculated MW:

217 kDa

Observed MW:

260 kDa

Purification Method:

Protein A purification

CloneNo.:

240829F12

Recommended Dilutions:

WB 1:5000-1:50000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HEK-293 cells,  $\lambda$  phosphatase treated HEK-293 cells

## Background Information

DNA-directed RNA polymerase II subunit RPB1(POLR2A), is part of the core element of the basic RNA polymerase II transcription mechanism. During transcription elongation, Pol II moves on the template as the transcript elongates. Elongation is influenced by the phosphorylation status of the C-terminal domain (CTD) of Pol II largest subunit (RPB1), which serves as a platform for the assembly of factors that regulate transcription initiation, elongation, termination, and mRNA processing.

## 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:

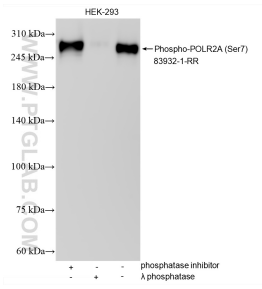
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

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## Selected Validation Data



Non-treated HEK-293 cells, phosphatase inhibitor treated HEK-293 cells and  $\lambda$  phosphatase treated HEK-293 cells were subjected to SDS PAGE followed by western blot with 83932-1-RR (POLR2A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.