

# Phospho-POLR2A-S5 Rabbit Polyclonal Antibody



CABP0828

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

260kDa

### Calculated MW:

63kDa/217kDa

### Applications:

WB IHC IF

### Reactivity:

Human, Mouse, Rat

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50  
- 1:100 IF 1:50 - 1:100

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein Background

This gene encodes the largest subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. The product of this gene contains a carboxy terminal domain composed of heptapeptide repeats that are essential for polymerase activity. These repeats contain serine and threonine residues that are phosphorylated in actively transcribing RNA polymerase. In addition, this subunit, in combination with several other polymerase subunits, forms the DNA binding domain of the polymerase, a groove in which the DNA template is transcribed into RNA.

## Immunogen information

### Gene ID:

5430

### Uniprot

P24928

### Synonyms:

POLR2A; POLR2; POLRA; RPB1; RPBh1; RPO2; RPOL2; RpIILS;  
hRPB220; hsRPB1; Pol II

### Immunogen:

A phospho specific peptide corresponding to residues surrounding S5 of human POLR2A

### Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

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