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

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

Recommended dilutions:

Antibody Information

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

Source:

Rabbit

IgG

Immunogen:

A phospho specific peptide corresponding to residues surrounding

S5 of human POLR2A

Storag

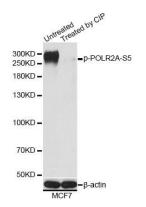
Isotype: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02%

sodium azide, 50% glycerol, pH7.3.

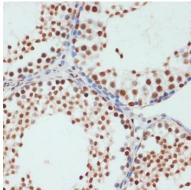
Purification:

Affinity purification

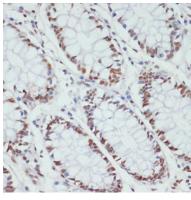
Product Images



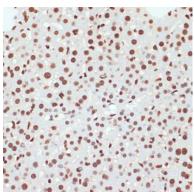
Western blot analysis of extracts of MCF7 cells, using Phospho-POLR2A-S5 antibody (CABP0828) at 1:1000 dilution. MCF7 cell lysate were treated by CIP (20ul CIP for each 400ul cell lysate) at 37'C for 1 hour . Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit (CABM00020). Exposure time: 1s.



Immunohistochemistry of paraffin-embedded rat testis using Phospho-POLR2A-S5 antibody (CABP0828) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human colon using Phospho-POLR2A-S5 antibody (CABP0828) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse liver using Phospho-POLR2A-S5 antibody (CABP0828) at dilution of 1:100 (40x lens).