POLR2A Rabbit Polyclonal Antibody



CAB2107

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

250KDa

Calculated MW:

63kDa/217kDa

Applications:

WB IF IP

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 IF 1:50 -1:200 IP 1:50 - 1:200

Source:

Rabbit

Immunogen:

Recombinant fusion protein containing a sequence corresponding

to amino acids 1-260 of human POLR2A (NP_000928.1).

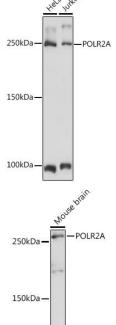
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% Isotype:

sodium azide, 50% glycerol, pH7.3. IgG

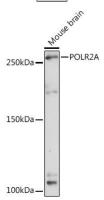
Purification:

Affinity purification

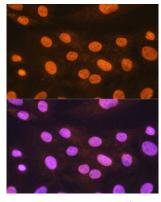
Product Images



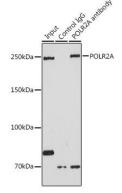
Western blot analysis of extracts of various cell lines, using POLR2A Rabbit pAb (CAB2107) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 1s.



Western blot analysis of extracts of Mouse brain, using POLR2A Rabbit pAb (CAB2107) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 30s.



Immunofluorescence analysis of H9C2 cells using POLR2A Rabbit pAb (CAB2107) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 200ug extracts of HeLa cells using 3ug POLR2A antibody (CAB2107). Western blot was performed from the immunoprecipitate using POLR2A antibody (CAB2107) at a dilition of 1:1000.