

## CABP0996

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### Product Information

<b>Product SKU:</b>	CABP0996	<b>Gene ID:</b>	5430	<b>Size:</b>	20uL, 100uL
<b>Clone No:</b>	ARC1540	<b>Host Species:</b>	Rabbit	<b>Reactivity:</b>	Human,Mouse,Rat

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### Additional Information

<b>Observed MW:</b>	270kDa	<b>Conjugate:</b>	Unconjugated
<b>Calculated MW:</b>	217kDa	<b>Isotype:</b>	IgG

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### Immunogen Information

<b>Background:</b>	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.
<b>Recommended Dilution:</b>	WB,1:500 - 1:2000 IHC-P,1:50 - 1:200 IF/ICC,1:50 - 1:200 ChIP,5µg antibody for 10µg-15µg of ChromatinChIP-seq,1:50 - 1:100 CUT&Tag, 10 <sup>5</sup> cells /1 µg
<b>Synonyms:</b>	RPB1; RPO2; POLR2; POLRA; RPBh1; RPOL2; NEDHIB; RpIILS; hsRPB1; hRPB220; Phospho-POLR2A CTD-S2
<b>Purification Method:</b>	Affinity purification
<b>Immunogen:</b>	A phospho specific peptide corresponding to residues surrounding S2 of human POLR2A CTD repeat YSPTSPS.
<b>Storage:</b>	Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

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