

## Anti-Phospho-POLR2A (Thr4) Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Actual: 250 kDa.
Purification:	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.

## Applications

Application:	WB
Recommended	WB: 1:1000-2000

## Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	A synthesized phosphopeptide: human Rpb1 CTD around the phosphorylation site of Thr4
Antigen Species:	Human
Uniprot ID:	P24928
Synonyms:	POLRA;RNA polymerase II subunit B1;RPB1;POLR2A (p-T4);DNA directed RNA polymerase II A; DNA-directed RNA polymerase II subunit RPB1;DNA-directed RNA polymerase II largest subunit RNA polymerase II 220 kd subunit;Phospho-POLR2A (T4);p-POLR2A (T4);POLR2A (p-Thr4); Polr2a;DNA-directed RNA polymerase III largest subunit;RPBh1;RPOL2;hsRPB1;hRPB220; Polymerase (RNA) II (DNA directed) polypeptide A 220kDa;RpIILS;RPO2;RNA-directed RNA polymerase II subunit RPB1;p-POLR2A (Thr4);POLR2

## Research Background

RNA polymerase II subunit A(POLR2A) Homo sapiens 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. [provided by RefSeq, Jul 2008],

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