

Product datasheet for **TA420078**

Phospho-POLR2A Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ChIP, IP, WB
Recommended Dilution:	WB,1:1000 - 1:5000 IP,1:2000 - 1:6000 ChIP,1:50 - 1:200
Reactivity:	Human, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A phospho specific peptide corresponding to residues surrounding S2/S5 of human POLR2A.
Formulation:	Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	217kDa - Observed MW: 270kDa
Gene Name:	polymerase (RNA) II subunit A
Database Link:	Entrez Gene 5430 Human P24928
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.
Synonyms:	hRPB220; hsRPB1; NEDHIB; POLR2; POLRA; RPB1; RPBh1; RplIILS; RPO2; RPOL2



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