# Phospho-RNA polymerase II CTD repeat YSPTSPS (Ser5) Rabbit pAb

**db21163** **Package : 20μL 50μL 100μL**

**Product Name :** Phospho-RNA polymerase II CTD repeat YSPTSPS (Ser5) Rabbit pAb
**Cat.No.:** db21163
**Synonyms :** RPB1; RPO2; POLR2; POLRA; RPBh1; RPOL2; NEDHIB; RpIILS; hsRPB1; hRPB220
**Application :** WB, IHC, ICC/IF, IP
**Reactivity :** Human, Mouse, Rat
**Host species :** Rabbit

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| **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. [provided by RefSeq, Jul 2008] |
| **Immunogen** | A synthetic phosphopeptide corresponding to residues surrounding Ser1801 of human RNA polymerase II CTD repeat YSPTSPS |
| **Gene ID** | 5430 |
| **Swiss Prot** | P24928 |
| **Synonyms** | RPB1; RPO2; POLR2; POLRA; RPBh1; RPOL2; NEDHIB; RpIILS; hsRPB1; hRPB220 |
| **Reactivity** | Human, Mouse, Rat |
| **Application** | WB, IHC, ICC/IF, IP |
| **Recommended dilution** | WB: 1:1000<br>IHC: 1:50<br>ICC/IF: 1:50<br>IP: 1:20 |
| **Calculated MW** | 217 kDa |
| **Observed MW** | 250 kDa |
| **Host species** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |

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| **Purity** | Affinity Purification |
| **Conjugation** | Un-conjugated |
| **Storage Stability** | Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt. |