

## Product datasheet for **TA380137**

### **POLR2A Rabbit Polyclonal Antibody**

#### **Product data:**

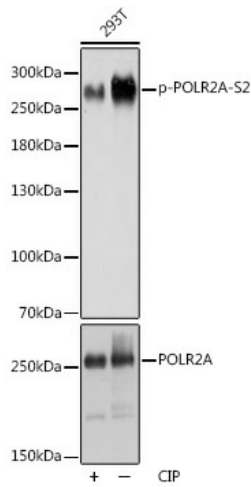
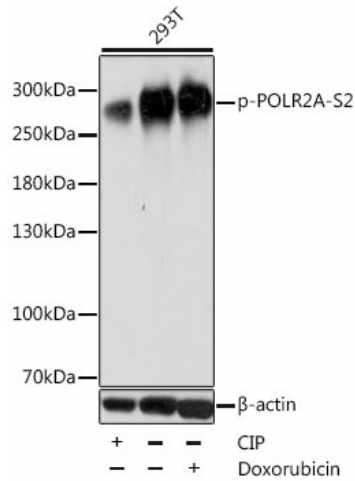
|                         |  |
|-------------------------|--|
| Product Type:           | Primary Antibodies   |
| Applications:           | IP, WB   |
| Recommended Dilution:   | WB,1:1000 - 1:2000<br>IP,1:50 - 1:100  |
| Reactivity:             | Human  |
| Modifications:          | Phospho S2   |
| Host:                   | Rabbit   |
| Isotype:                | IgG  |
| Clonality:              | Polyclonal   |
| Immunogen:              | A phospho specific peptide corresponding to residues surrounding S2 of human POLR2A  |
| Formulation:            | Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.  |
| Concentration:          | lot specific   |
| Purification:           | Affinity purification  |
| Conjugation:            | Unconjugated   |
| Storage:                | Store at -20°C. Avoid freeze / thaw cycles.  |
| Stability:              | Shelf life: one year from despatch.  |
| Predicted Protein Size: | 63kDa/217kDa   |
| Gene Name:              | polymerase (RNA) II subunit A  |
| Database Link:          | <a href="#">Entrez Gene 5430 Human P24928</a>  |
| 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. |

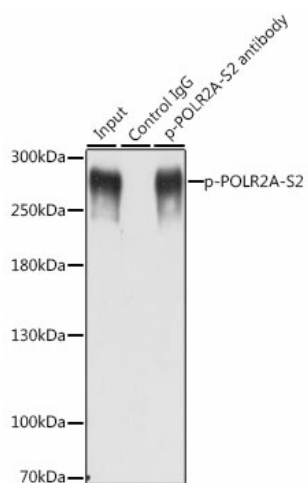


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Synonyms: hRPB220; hsRPB1; POLR2; POLRA; RPB1; RPBh1; RpiILS; RPO2; RPOL2

**Product images:**





Immunoprecipitation analysis of 200ug extracts of MCF-7 cells, using 3 ug Phospho-POLR2A-S2 pAb (TA380137). Western blot was performed from the immunoprecipitate using Phospho-POLR2A-S2 pAb (TA380137) at a dilution of 1:1000. MCF7 cells were treated by nocodazole (50 ng/mL) at 37°C for 20 hours.