

Product datasheet for **TA327272**

POLR2A Rabbit Polyclonal Antibody

Product data:

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|-------------------------|--|
| Product Type: | Primary Antibodies |
| Applications: | ELISA, ICC/IF, IP, WB |
| Recommended Dilution: | WB, 1:500 - 1:2000 IF/ICC, 1:50 - 1:200 IP, 0.5µg-4µg antibody for 200µg-400µg extracts of whole cells ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Formulation: | Buffer: PBS with 0.09% Sodium azide, 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 |
| Gene Name: | polymerase (RNA) II subunit A |
| Database Link: | NP_000928 Entrez Gene 20020 Mouse Entrez Gene 363633 Rat Entrez Gene 5430 Human P24928 |



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Background:

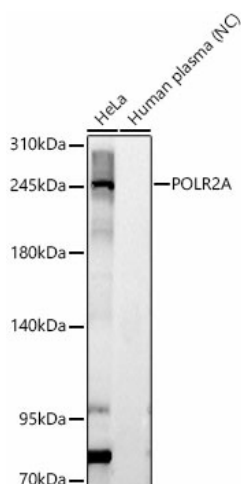
This gene encodes the largest subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. The product of this gene contains a carboxy terminal domain composed of heptapeptide repeats that are essential for polymerase activity. These repeats contain serine and 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.

Synonyms:

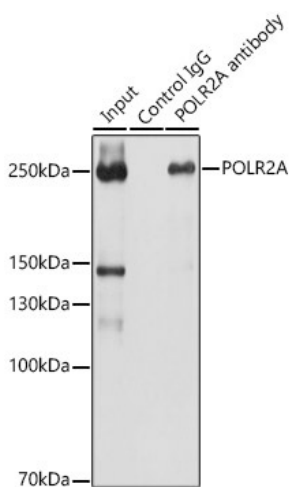
hRPB220; hsRPB1; POLR2; POLRA; RPB1; RPBh1; RplILS; RPO2; RPOL2

Protein Pathways:

Huntington's disease, Metabolic pathways, Purine metabolism, Pyrimidine metabolism, RNA polymerase

Product images:


Western blot analysis of various lysates



Immunoprecipitation analysis of 200ug extracts of HeLa cells using 3ug POLR2A Rabbit pAb (TA327272 1:100). Western blot was performed from the immunoprecipitate using POLR2A Rabbit pAb (TA327272) at a dilution of 1:1000.