**Product Name:** **RNA Polymerase II Subunit B1 Rabbit Monoclonal Antibody**
**Catalog #:** **AMRe02824**
For research use only.

## Summary

| | |
|---|---|
| **Description** | Recombinant rabbit monoclonal antibody |
| **Host** | Rabbit |
| **Application** | WB,IHC,ICC/IF,IP |
| **Reactivity** | Human |
| **Conjugation** | Unconjugated |
| **Modification** | Unmodified |
| **Isotype** | IgG |
| **Clonality** | Monoclonal |
| **Form** | Liquid |
| **Concentration** | 0.54mg/ml. The concentration of this product may be batch-dependent. |
| **Storage** | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| **Shipping** | Ice bags |
| **Buffer** | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein |
| **Purification** | Affinity Purification |

## Application

| | |
|---|---|
| **Dilution Ratio** | WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200,IP 1:20-1:50 |
| **Molecular Weight** | Calculated MW: 217 kDa; Observed MW: 250 kDa |

## Antigen Information

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|---|---|
| **Gene Name** | POLR2A |
| **Alternative Names** | POLR2A; POLR2; DNA-directed RNA polymerase II subunit RPB1; RNA polymerase II subunit B1; DNA-directed RNA polymerase II subunit A; DNA-directed RNA polymerase III largest subunit; RNA-directed RNA polymerase II subunit RPB1 |
| **Gene ID** | 5430 |
| **SwissProt ID** | P24928 |
| **Immunogen** | A synthetic peptide corresponding to target protein |

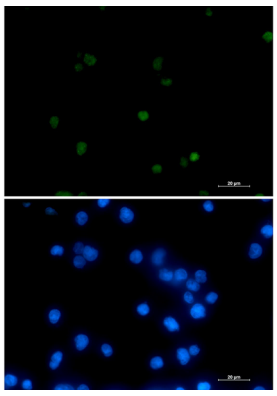
## Background

During transcription elongation, Pol II moves on the template as the transcript elongates. Elongation is influenced by the phosphorylation status of the C-terminal domain (CTD) of Pol II largest subunit (RPB1), which serves as a platform for assembly of factors that regulate transcription initiation, elongation, termination and mRNA processing.

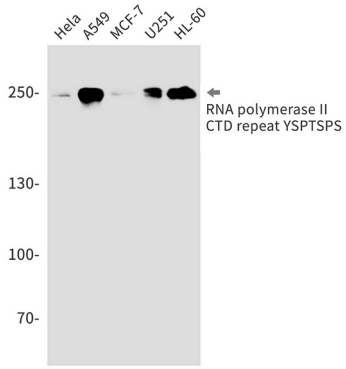
## Research Area

Epigenetics and Nuclear Signaling

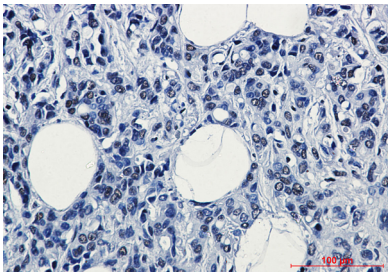
## Image Data



Immunocytochemistry analysis of RNA Polymerase II Subunit B1 (green) in CEM using RNA Polymerase II Subunit B1 antibody,and DAPI(blue).




Western blot analysis of RNA polymerase II CTD repeat YSPTSPS in Hela, A549, MCF-7, U251, HL-60 lysates using RNA polymerase II CTD repeat YSPTSPS antibody.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using RNA polymerase II CTD repeat YSPTSPS antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.