

**Product Name: RNA Polymerase II Subunit B1 Rabbit
Monoclonal Antibody
Catalog #: AMRe02824**



Summary

Production Name	RNA Polymerase II Subunit B1 Rabbit Monoclonal Antibody
Description	Recombinant Rabbit Monoclonal antibody
Host	Rabbit
Application	WB,IHC-F,IHC-P,ICC/IF,IP
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Purification	Affinity Purified

Immunogen

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

Application

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

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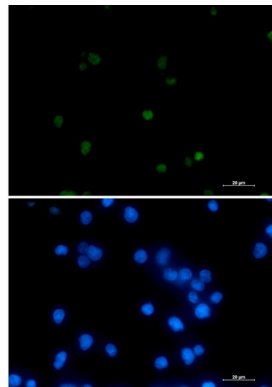
Background

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.

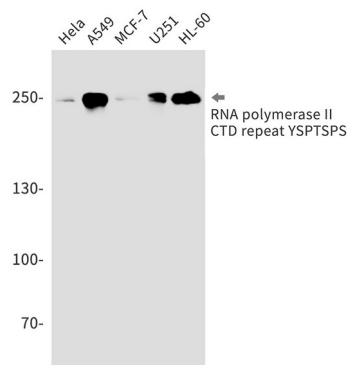
Research Area

Epigenetics and Nuclear Signaling

Image Data

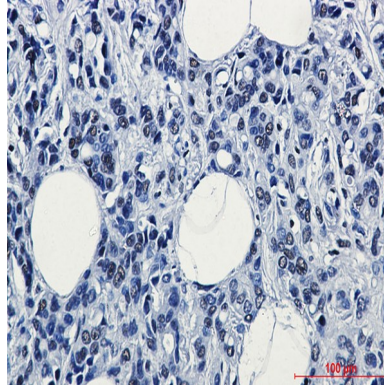


Immunocytochemistry analysis of RNA Polymerase II Subunit B1 (green) in CEM using RNA Polymerase II Subunit B1 antibody, and DAPI (blue).



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.

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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.

Note

For research use only.