

# Anti-Phospho-POLR2A (S2) Recombinant Rabbit Monoclonal Antibody



**Catalog #: 2507**

## Aliases

RNA Polymerase II Subunit A; RNA Polymerase II Subunit B1; POLRA; POLR2; RPB1; DNA-Directed RNA Polymerase II Largest Subunit, RNA Polymerase II 220 Kd Subunit; Polymerase (RNA) II (DNA Directed) Polypeptide A, 220kDa; DNA-Directed RNA Polymerase III Largest Subunit; DNA-Directed RNA Polymerase II Subunit RPB1; RNA-Directed RNA Polymerase II Subunit RPB1; DNA-Directed RNA Polymerase II Subunit A; EC 2.7.7.6; Polymerase (RNA) II Subunit A; EC 2.7.7.48; HRPB220; NEDHIB; RpIILS; HsRPB1; RPBh1; RPOL2; RPO2

## Background

Gene Name: POLR2A

NCBI Gene Entry: [5430](#)

UniProt Entry: [P24928](#)

## Application Information

Molecular Weight: Predicted, 217 kDa; observed, 270 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 24GB1175

Species Reactivity: Human, mouse, rat

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

## Immunogen

A synthesized peptide derived from human POLR2A

## Isotype

Rabbit IgG

## Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

## Storage

Store at -20 °C for one year.

## Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000

Flow Cytometry (FCM): 1:2,000

Immunocytochemistry (IC): 1:100-1:1,000

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### SUPPORT

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### ORDERS

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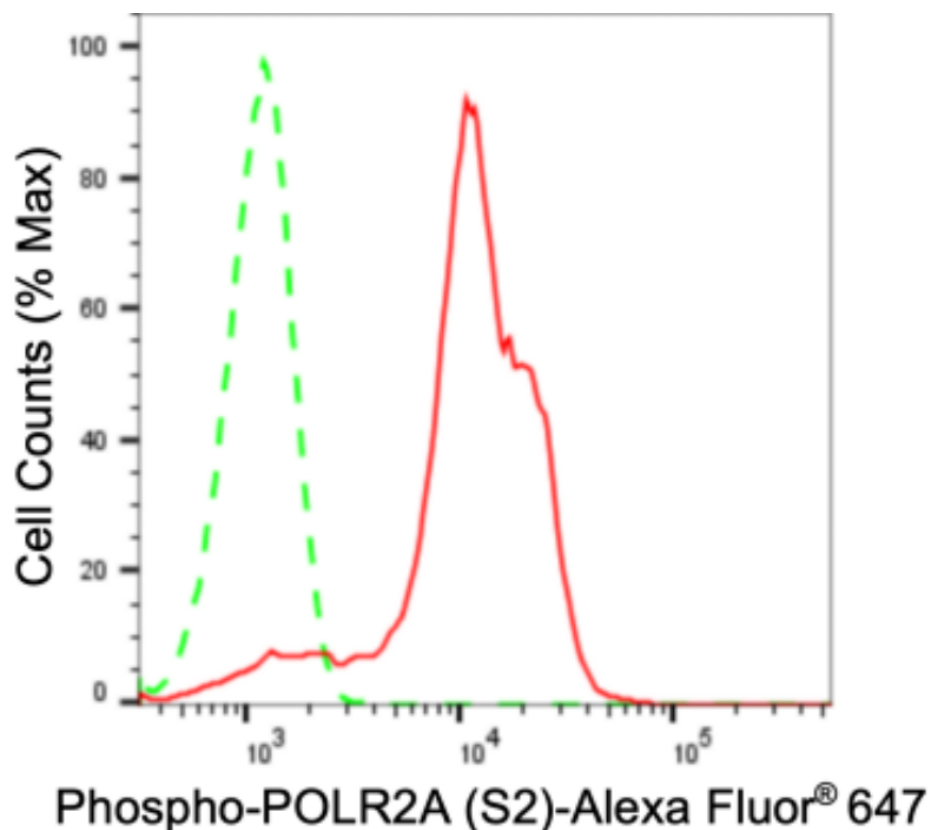
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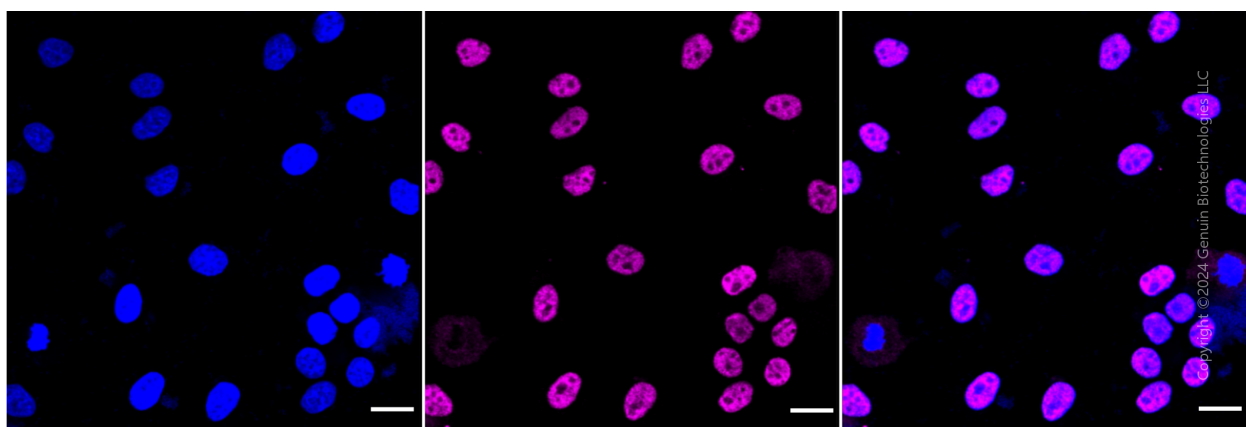
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**Note:** This product is for research use only.

## Validation Data



Flow cytometric analysis of Phospho-POLR2A (S2) expression in HeLa cells using Phospho-POLR2A (S2) antibody (Cat#2507, 1:2,000). Green, isotype control; red, Phospho-POLR2A (S2).



Immunocytochemical staining of HeLa cells with anti-Phospho-POLR2A (S2) antibody (Cat#2507, 1:1,000). Nuclei were stained blue with DAPI; Phospho-POLR2A (S2) was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20  $\mu$ m.

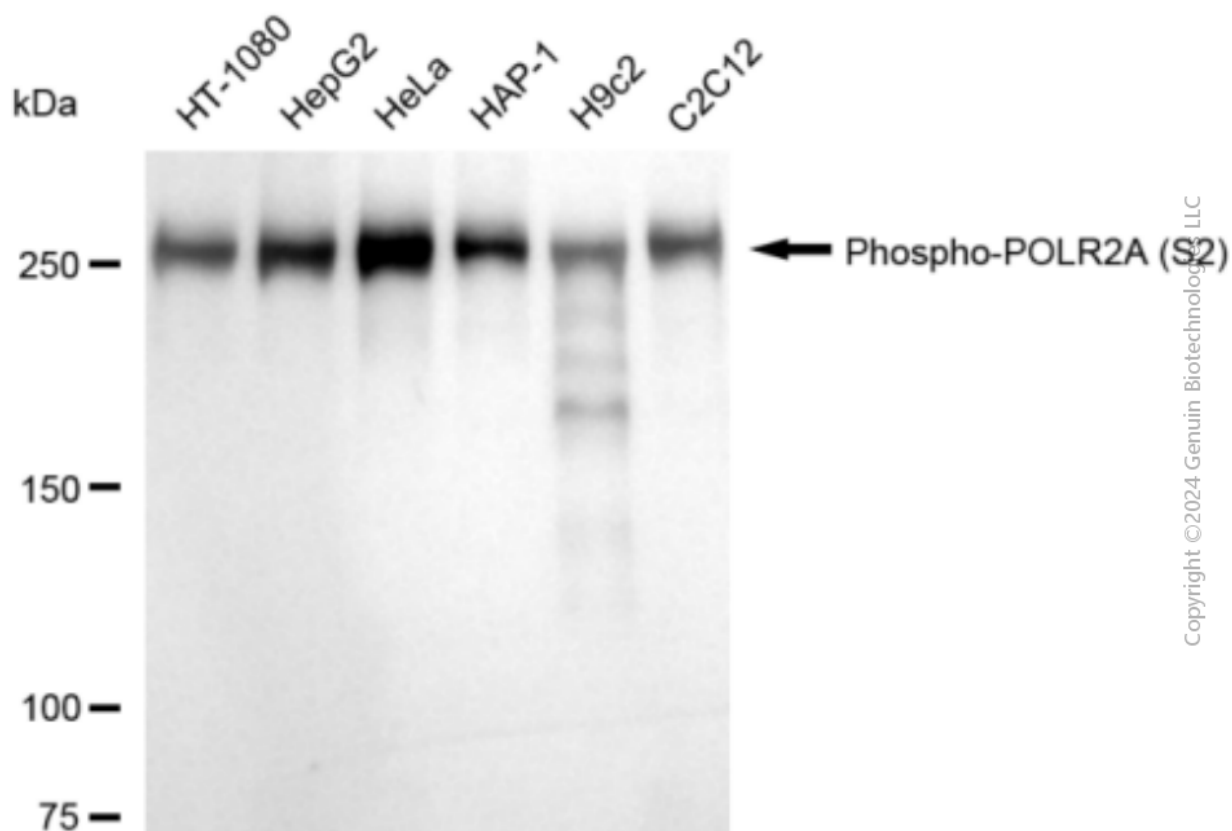
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Western blotting analysis using anti-Phospho-POLR2A (S2) antibody (Cat#2507). Total cell lysates (30  $\mu$ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Phospho-POLR2A (S2) antibody (Cat#2507, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).