

**Product Name: Phospho-RNA polymerase II CTD repeat
YSPTSPS (Ser2) Rabbit Monoclonal Antibody**
Catalog #: AMRe87443

Summary

Production Name	Phospho-RNA polymerase II CTD repeat YSPTSPS (Ser2) Rabbit Monoclonal Antibody
Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB, IHC-P, ICC/IF, FC, IP
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt.
Purification	Affinity Purification

Immunogen

Gene Name	Phospho-RNA polymerase II CTD repeat YSPTSPS
Alternative Names	RPB1; RPO2; POLR2; POLRA; RPBh1; RPOL2; NEDHIB; RplILS; hsRPB1; hRPB220
Gene ID	5430
SwissProt ID	P24928.

Application

Dilution Ratio	WB: 1:1000 IHC-P: 1:200-1:2000 ICC/IF: 1:200-1:500 FC: 1:200-1:500 IP: 1:20-1:50
Molecular Weight	Calculated MW:192 kDa; Observed MW:250 kDa

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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. [provided by RefSeq, Jul 2008]

Research Area

Image Data



Western blot analysis of extracts from HeLa cells using AMRe87443 at 1:1000.

Note

For research use only.