

A Reliable Research Partner in Life Science and Medicine

Recombinant Phospho-Rpb1 (Ser5) Monoclonal Antibody

catalog number: AN301164L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

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Reactivity Human; Mouse; Rat

Immunogen A synthetic peptide corresponding to residues around (Ser5) of Human Phospho-

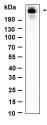
Rpb1

HostRabbitIsotypeIgG,κCloneB923PurificationProtein A

Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Ар	plications	Recommended Dilution
IHC	•	1:200-1:1000
WE	3	1:500-1:2000

Data



Western Blot with Recombinant Phospho-Rpb1 (Ser5)
Monoclonal Antibody at dilution of 1:1000 dilution. Lane A:
NIH-3T3.

Immunohistochemistry of paraffin-embedded human colon using Recombinant Phospho-Rpb1 (Ser5) Monoclonal Antibody at dilution of 1:200.

Observed-MW:217 kDa Calculated-MW:217 kDa

Preparation & Storage

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping Ice bag

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.

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