

## Recombinant Phospho-Rpb1 (Ser5) Monoclonal Antibody

catalog number: AN301164L

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

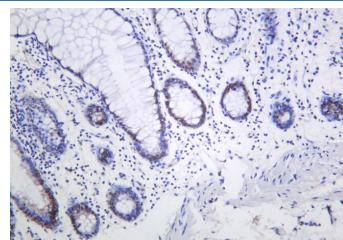
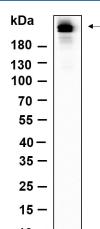
### Description

<b>Reactivity</b>	Human;Mouse;Rat
<b>Immunogen</b>	A synthetic peptide corresponding to residues around (Ser5) of Human Phospho-Rpb1
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG,κ
<b>Clone</b>	B923
<b>Purification</b>	Protein A
<b>Buffer</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

### Applications

	<b>Recommended Dilution</b>
IHC	1:200-1:1000
WB	1:500-1:2000
IF	1:200-1:1000
ELISA	1:5000-1:20000
IP	1:50-1:200

### 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

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

### For Research Use Only

Toll-free: 1-888-852-8623

Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086

Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017

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