

## Rpb1 (phospho Ser1619) rabbit pAb antibody

| Catalog No :                 | Source:  | Concentration : | Mol.Wt. (Da): |
|------------------------------|--|-----------------|---------------|
| A21021                       | Rabbit   | 1 mg/ml         | 217206        |
| <b>Applications</b>          | WB,IHC,IF,ELISA  |                 |               |
| <b>Reactivity</b>            | Human,Mouse,Rat,Monkey   |                 |               |
| <b>Dilution</b>              | WB: 1:500 - 1:2000. IHC: 1:100 - 1:300. IF: 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.  |                 |               |
| <b>Storage</b>               | -20°C/1 year   |                 |               |
| <b>Specificity</b>           | Phospho-Rpb1 (S1619) Polyclonal Antibody detects endogenous levels of Rpb1 protein only when phosphorylated at S1619.  |                 |               |
| <b>Source / Purification</b> | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  |                 |               |
| <b>Immunogen</b>             | The antiserum was produced against synthesized peptide derived from human POLR2A around the phosphorylation site of Ser1619. AA range:1585-1634  |                 |               |
| <b>Uniprot No</b>            | P24928   |                 |               |
| <b>Alternative names</b>     | 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   |                 |               |
| <b>Form</b>                  | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  |                 |               |
| <b>Clonality</b>             | Polyclonal   |                 |               |
| <b>Isotype</b>               | IgG  |                 |               |
| <b>Conjugation</b>           |  |                 |               |
| <b>Background</b>            | <p>RNA polymerase II subunit A(POLR2A) Homo sapiens 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],</p> |                 |               |
| <b>Other</b>                 | POLR2A, DNA-directed RNA polymerase II subunit RPB1  |                 |               |

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**Product Images:****Application Key:**

WB-Western IP-Immunoprecipitation IHC-Immunohistochemistry CHIP-Chromatin Immunoprecipitation  
IF-Immunofluorescence F-Flow Cytometry E-P-ELISA-Peptide

**Species Cross-Reactivity Key:**

H-Human M-Mouse R-Rat Hm-Hamster Mk-Monkey Vir-Virus Mi-Mink C-Chicken Dm-D. melanogaster  
X-Xenopus Z-Zebrafish B-Bovine Dg-Dog Pg-Pig Sc-S. cerevisiae Ce-C. elegans Hr-Horse All-All  
Species Expected

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*For life science research only. Not for use in diagnostic procedures.*

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