

## Datasheet: AHP3096

|                      |                        |
|----------------------|------------------------|
| <b>Description:</b>  | RABBIT ANTI HUMAN RPB2 |
| <b>Specificity:</b>  | RPB2                   |
| <b>Format:</b>       | Purified               |
| <b>Product Type:</b> | Polyclonal Antibody    |
| <b>Isotype:</b>      | Polyclonal IgG         |
| <b>Quantity:</b>     | 0.1 ml                 |

### Product Details

#### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

|                     | Yes | No | Not Determined | Suggested Dilution         |
|---------------------|-----|----|----------------|----------------------------|
| Immunoprecipitation | ▪   |    |                | 5 µl per IP - 10 µl per IP |
| Western Blotting    | ▪   |    |                | 1/500 - 1/1000             |

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

**Target Species** Human

**Product Form** Purified IgG - liquid

**Antiserum Preparation** Antiserum to human RPB2 was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

**Buffer Solution** Phosphate buffered saline

**Preservative** 0.035% Sodium Azide (NaN<sub>3</sub>)  
**Stabilisers** 30% Glycerol

**Carrier Free** Yes

**Immunogen** A peptide within the N-terminal region of human RPB2

#### External Database Links

**UniProt:**  
[P30876](#)    [Related reagents](#)

**Entrez Gene:**[5431](#) POLR2B [Related reagents](#)

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**Specificity** **Rabbit anti Human RPB2 antibody** recognizes DNA-directed RNA polymerase II subunit RPB2.

RPB2 is the second largest subunit of RNA polymerase II, the polymerase responsible for the synthesis of messenger RNA in eukaryotic cells. The RPB2 subunit combines with other polymerase subunits to form a structure within RNA polymerase II that maintains the contact between the DNA and the newly synthesized RNA within the active site of the enzyme ([Acker et al. 1997](#)).

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**Storage** This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10049 available at: 10049: <https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)  
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

|                                  |   |                  |   |               |   |
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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)  
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