

## Datasheet: AHP2677

<b>Description:</b>	RABBIT ANTI RETINOBLASTOMA (pSer795)
<b>Specificity:</b>	RETINOBLASTOMA (pSer795)
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	50 µl

## 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
Western Blotting	▪			1/500 - 1/2000

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

### Species Cross Reactivity

Based on sequence similarity, is expected to react with: Mouse, Rat

**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

### Product Form

Purified IgG - liquid

### Antiserum Preparation

Antiserum to retinoblastoma (pSer795) 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 Stabilisers

0.02% Sodium Azide  
50% Glycerol

### Immunogen

Phospho specific-peptide corresponding to residues surrounding serine 795 of human

---

**External Database****Links****UniProt:**[P06400](#)[Related reagents](#)**Entrez Gene:**[5925](#)

RB1

[Related reagents](#)

---

**Specificity**

**Rabbit anti retinoblastoma (pSer795) antibody** recognizes retinoblastoma gene protein, also known as retinoblastoma-associated protein, p105-Rb, pp110 and Rb, when phosphorylated at serine 795. Retinoblastoma-associated protein is a tumor suppressor protein that plays a key role in G<sub>1</sub> checkpoint control. In quiescent cells retinoblastoma-associated protein forms a repressor complex by binding to E2F transcription factors. Phosphorylation of retinoblastoma-associated protein results in dissociation from E2F, allowing for cell cycle progression.

Retinoblastoma-associated protein is phosphorylated at serine 795 by cyclin-D-cdk4/6, cyclin E/Cdk2, cdk9 and cdk5 ([Macdonald and Dick 2012](#)).

---

**Further Reading**

1. Macdonald, J.I. & Dick, F.A. (2012) Posttranslational modifications of the retinoblastoma tumor suppressor protein as determinants of function. [Genes Cancer. 3 \(11-12\): 619-33.](#)

---

**Storage**

Store at -20°C

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

---

**Guarantee**

12 months from date of despatch

---

**Health And Safety Information**

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

---

**Regulatory**

For research purposes only

---

## 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](#)

### Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

'M393465:211222'

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

**Printed on 21 Mar 2022**

---

© 2022 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)