Datasheet: AHP2677

**Description:**
RABBIT ANTI RETINOBLASTOMA (pSer795)

**Specificity:**
RETINOBLASTOMA (pSer795)

**Format:**
Purified

**Product Type:**
Polyclonal Antibody

**Isotype:**
Polyclonal IgG

**Quantity:**
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.

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
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<tbody>
<tr>
<td>Western Blotting</td>
<td>1/500 - 1/2000</td>
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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.

**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**
0.02% Sodium Azide

**Stabilisers**
50% Glycerol

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

**External Database Links**

<table>
<thead>
<tr>
<th>UniProt:</th>
<th>Related reagents</th>
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<tr>
<td>P06400</td>
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<table>
<thead>
<tr>
<th>Entrez Gene:</th>
<th>Related reagents</th>
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<tbody>
<tr>
<td>5925 RB1</td>
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</table>

**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 G₁ 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

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:

Regulatory
For research purposes only

Related Products
Recommended Secondary Antibodies
Sheep Anti Rabbit IgG (STAR34...) FITC
Goat Anti Rabbit IgG (H/L) (STAR124...) HRP
Goat Anti Rabbit IgG (Fc) (STAR121...) Biotin, FITC, HRP
Sheep Anti Rabbit IgG (STAR35...) RPE
Sheep Anti Rabbit IgG (2AB02...) Biotin
Sheep Anti Rabbit IgG (STAR36...) DyLight®488, DyLight®680, DyLight®800

Recommended Useful Reagents
TidyBlot WESTERN BLOT DETECTION REAGENT:HRP (STAR209P)

TidyBlot WESTERN BLOT DETECTION REAGENT:HRP (STAR209P)

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