

Datasheet: AHP2676

Description:	RABBIT ANTI RETINOBLASTOMA (pSer780)
Specificity:	RETINOBLASTOMA (pSer780)
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.

	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

Reacts with: Mouse

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 (pSer780) 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 780 of human

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

RB1

[Related reagents](#)

Specificity

Rabbit anti retinoblastoma (pSer780) antibody recognizes retinoblastoma gene protein, also known as retinoblastoma-associated protein, p105-Rb, pp110 and Rb, when phosphorylated at serine 780. 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 780 by cyclin-D-cdk4/6 complexes, p38 MAPK kinase and aurora b kinase ([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](#)

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 (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

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

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batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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