

Datasheet: AHP2570

Description:	RABBIT ANTI CDK2 (pThr160)
Specificity:	CDK2 (pThr160)
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
Immunohistology - Paraffin	▪			1/50 - 1/100
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 Cdk2 (pThr160) 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 threonine 160 of human

External Database**Links****UniProt:**[P24941](#) [Related reagents](#)**Entrez Gene:**[1017](#) CDK2 [Related reagents](#)**Specificity**

Rabbit anti Cdk2 (pThr160) antibody recognizes cyclin-dependent kinase 2 (CDK2) also known as cell division protein kinase 2 and p33 protein kinase when phosphorylated at threonine 160. CDK2 belongs to the serine/threonine protein kinase family and CDC2/CDKX sub family and plays a vital role as part of the cell cycle machinery. Threonine 160 and tyrosine 15 are two major phosphorylation sites. Dephosphorylation of threonine 14 and tryrosine 15 and phosphorylation of threonine 160 are required to activate CDK2 ([Gu et al. 1992](#)).

Further Reading

1. Gu, Y. *et al.* (1992) Cell cycle regulation of CDK2 activity by phosphorylation of Thr160 and Tyr15. [EMBO J. 11 \(11\): 3995-4005.](#)

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: <https://www.bio-rad-antibodies.com/SDS/AHP2570>
10049

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Recommended Useful Reagents

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

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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
'M416310:230224'

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