

Datasheet: AHP1247

Description:	RABBIT ANTI Cdk2 (C-TERMINAL)
Specificity:	Cdk2 (C-TERMINAL)
Other names:	CELL DIVISION PROTEIN KINASE 2
Format:	Serum
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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin	▪			1/200 - 1/1000
ELISA	▪			1/500 - 1/12000
Immunoprecipitation	▪			
Western Blotting	▪			1/500 - 1/1000
Functional Assays			▪	

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, Rat N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Serum - liquid

Antiserum Preparation Antisera to Cdk2 were raised by repeated immunisations of rabbits with highly purified antigen.

Preservative Stabilisers	0.01% Sodium Azide (NaN ₃)
Immunogen	Cdk2 peptide corresponding to the C-terminus of the human protein conjugated to Keyhole Limpet Hemocyanin (KLH).

External Database Links	UniProt: P24941 Related reagents
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Entrez Gene:

[1017](#) [CDK2](#) [Related reagents](#)

Specificity	Rabbit anti Human Cdk2 antibody detects an epitope within the C-terminal region of human cyclin dependent kinase 2 (Cdk2), a protein kinase which is essential for G1-S phase transition in the cell cycle. Cdk2 forms the catalytic subunit of the cyclin-dependent protein kinase complex, which also consists of a number of regulatory subunits, including cyclin A or cyclin E, and the Cdk inhibitors p21/WAF1 and p27/kip1. When activated, Cdk2 phosphorylates the retinoblastoma protein, leading to the activation of the transcription factor E2F and cell cycle progression. Cdk2 can be upregulated in tumours, including adenomas and breast cancers, particularly in conjunction to cyclin overexpression.
Western Blotting	AHP1247 detects a band of approximately 33kDa in human tissue.
Storage	Store at +4°C or at -20°C if preferred. 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.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation available at: Material Safety Datasheet Documentation #10081 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10081.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](#)
Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)
Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),
[DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

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

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