

Datasheet: AHP2572

**BATCH NUMBER 141534**

|                      |                           |
|----------------------|---------------------------|
| <b>Description:</b>  | RABBIT ANTI CDK6 (pTyr24) |
| <b>Specificity:</b>  | CDK6 (pTyr24)             |
| <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 |
|----------------------------|-----|----|----------------|--------------------|
| 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

**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 Cdk6 (pTyr24) 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 tyrosine 24 of human Cdk6

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**External Database Links**

**UniProt:**

[Q00534](#)    [Related reagents](#)

**Entrez Gene:**

[1021](#)    CDK6    [Related reagents](#)

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**Specificity**

**Rabbit anti Cdk6 (pTyr13)** recognizes cyclin-dependent kinase 6 (Cdk6) also known as cell division protein kinase 6 or serine/threonine-protein kinase PLSTIRE, when phosphorylated at tyrosine 13. Cdk6 is a member of the serine/threonine protein kinase family and is involved in regulation of cell-cycle progression during G1 phase and transition from G1 to S phase. Phosphorylation of Cdk6 at tyrosine 24 inhibits the kinase activity of Cdk6 ([Bertero \*et al.\* 2013](#)).

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**Further Reading**

1. Bertero, T. *et al.* (2013) CDC25A targeting by miR-483-3p decreases CCND-CDK4/6 assembly and contributes to cell cycle arrest. [Cell Death Differ. 20 \(6\): 800-11.](#)

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**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.

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**Guarantee**

12 months from date of despatch

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**Health And Safety Information**

Material Safety Datasheet documentation #10049 available at:  
<https://www.bio-rad-antibodies.com/SDS/AHP2572>  
10049

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**Regulatory**

For research purposes only

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## 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 \(STAR209P\)](#)

|                                  |   |                  |   |               |   |
|----------------------------------|---|------------------|---|---------------|---|
| <b>North &amp; South America</b> | Tel: +1 800 265 7376<br>Fax: +1 919 878 3751<br>Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a> | <b>Worldwide</b> | Tel: +44 (0)1865 852 700<br>Fax: +44 (0)1865 852 739<br>Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a> | <b>Europe</b> | Tel: +49 (0) 89 8090 95 21<br>Fax: +49 (0) 89 8090 95 50<br>Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a> |
|----------------------------------|---|------------------|---|---------------|---|

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)  
'M336553:181214'

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