

## Datasheet: AHP2572

|                      |                           |
|----------------------|---------------------------|
| <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.

|                                 |                                                                                                                                                    |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Target Species</b>           | Human                                                                                                                                              |
| <b>Species Cross Reactivity</b> | Based on sequence similarity, is expected to react with: Mouse<br><b>N.B.</b> Antibody reactivity and working conditions may vary between species. |

|                     |                       |
|---------------------|-----------------------|
| <b>Product Form</b> | 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.

|                        |                           |
|------------------------|---------------------------|
| <b>Buffer Solution</b> | Phosphate buffered saline |
|------------------------|---------------------------|

|                     |                    |
|---------------------|--------------------|
| <b>Preservative</b> | 0.02% Sodium Azide |
| <b>Stabilisers</b>  | 50% Glycerol       |

|                  |                                                                                          |
|------------------|------------------------------------------------------------------------------------------|
| <b>Immunogen</b> | Phospho specific-peptide corresponding to residues surrounding tyrosine 24 of human Cdk6 |
|------------------|------------------------------------------------------------------------------------------|

### External Database Links

#### UniProt:

[Q00534](#) [Related reagents](#)

#### Entrez Gene:

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

|                    |                                                                                                 |
|--------------------|-------------------------------------------------------------------------------------------------|
| <b>Specificity</b> | <b>Rabbit anti Cdk6 (pTyr13)</b> 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](#)).

|                                      |                                                                                                                                                                                                                                                                                |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Western Blotting</b>              | Due to the presence of phosphoproteins in milk, the use of milk based blocking reagents is not recommended. 1% BSA in PBS or TBS Tween should be used instead.                                                                                                                 |
| <b>Further Reading</b>               | 1. Bertero, T. <i>et al.</i> (2013) CDC25A targeting by miR-483-3p decreases CCND-CDK4/6 assembly and contributes to cell cycle arrest. <a href="#">Cell Death Differ. 20 (6): 800-11.</a>                                                                                     |
| <b>Storage</b>                       | Store at -20°C<br>Storage in frost-free freezers is not recommended.<br>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. |
| <b>Shelf Life</b>                    | 12 months from date of despatch                                                                                                                                                                                                                                                |
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10049 available at:<br>10049: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf</a>                                                                       |
| <b>Regulatory</b>                    | 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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