

## Datasheet: AHP2358

|                      |                     |
|----------------------|---------------------|
| <b>Description:</b>  | RABBIT ANTI WEE1    |
| <b>Specificity:</b>  | WEE1                |
| <b>Other names:</b>  | Wee1A KINASE        |
| <b>Format:</b>       | Purified            |
| <b>Product Type:</b> | Polyclonal Antibody |
| <b>Isotype:</b>      | Polyclonal IgG      |
| <b>Quantity:</b>     | 50 µg               |

## 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 |
|------------------|-----|----|----------------|--------------------|
| Western Blotting | ■   |    |                | 0.5 - 4.0 ug/ml    |

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>       | Reacts with: Mouse<br>Based on sequence similarity, is expected to react with:Rat<br><b>N.B.</b> Antibody reactivity and working conditions may vary between species. |
| <b>Product Form</b>                   | Purified IgG - liquid                                                                                                                                                 |
| <b>Buffer Solution</b>                | Phosphate buffered saline                                                                                                                                             |
| <b>Preservative Stabilisers</b>       | 30% Glycerol<br>0.5% Bovine Serum Albumin<br>0.01% Thiomersal                                                                                                         |
| <b>Approx. Protein Concentrations</b> | IgG concentration 0.5 mg/ml                                                                                                                                           |
| <b>Immunogen</b>                      | Synthetic peptide mapping to the C-terminus of human WEE1                                                                                                             |
| <b>External Database Links</b>        | <b>UniProt:</b><br><a href="#">P47810</a> <a href="#">Related reagents</a><br><br><b>Entrez Gene:</b>                                                                 |

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Specificity</b>                   | <p><b>Rabbit anti Wee1 antibody</b> recognizes Wee 1 (Wee1-like protein kinase) also known as Wee1A kinase. The Wee1 tyrosine kinase is an important regulator of the G2 to M transition of the cell cycle via phosphorylating the cdc2/cyclinB kinase. Cdc2 phosphorylated on tyrosine residue 15 by Wee1 kinase and on threonine residue 14 by Myt1 kinase is inactive. Cdc2 becomes active upon dephosphorylation by the cdc25 phosphatase.</p> <p>Wee1 activity is regulated via phosphorylation on Serine 53 and Serine 123 residues. These modifications trigger Wee1 ubiquitination by the SCF<math>\beta</math>-TrCP1/2 E3 ligase complex and subsequent degradation by the 26S proteasome.</p> |
| <b>Western Blotting</b>              | Rabbit anti WEE1 antibody recognizes a band of approximately 72 kDa in mouse small intestine tissue lysate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Storage</b>                       | <p>Store at -20°C</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Shelf Life</b>                    | 12 months from date of despatch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10096 available at:<br>10096: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10096.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10096.pdf</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Regulatory</b>                    | For research purposes only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## Related Products

### Recommended Secondary Antibodies

|                                         |                                                                                                                                                        |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sheep Anti Rabbit IgG (STAR34...)       | <a href="#">FITC</a>                                                                                                                                   |
| Sheep Anti Rabbit IgG (STAR35...)       | <a href="#">RPE</a>                                                                                                                                    |
| Goat Anti Rabbit IgG (H/L) (STAR124...) | <a href="#">HRP</a>                                                                                                                                    |
| Goat Anti Rabbit IgG (Fc) (STAR121...)  | <a href="#">Biotin</a> , <a href="#">FITC</a> , <a href="#">HRP</a>                                                                                    |
| Sheep Anti Rabbit IgG (2AB02...)        | <a href="#">Biotin</a>                                                                                                                                 |
| Sheep Anti Rabbit IgG (STAR36...)       | <a href="#">DyLight®488</a> , <a href="#">DyLight®549</a> , <a href="#">DyLight®649</a> ,<br><a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> |

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