

Datasheet: AHP2358

Description:	RABBIT ANTI WEE1
Specificity:	WEE1
Other names:	Wee1A KINASE
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse

Based on sequence similarity, is expected to react with: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

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

30% Glycerol

0.5% Bovine Serum Albumin

0.01% Thiomersal

Approx. Protein

IgG concentration 0.5 mg/ml

Concentrations

Immunogen Synthetic peptide mapping to the C-terminus of human WEE1

External Database Links

UniProt:

[P47810](#) [Related reagents](#)

Entrez Gene:

[22390](#) Wee1 [Related reagents](#)

Specificity

Rabbit anti Wee1 antibody 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.

Wee1 activity is regulated via phosphorylation on Serine 53 and Serine 123 residues. These modifications trigger Wee1 ubiquitination by the SCF β -TrCP1/2 E3 ligase complex and subsequent degradation by the 26S proteasome.

Western Blotting

Rabbit anti WEE1 antibody recognizes a band of approximately 72 kDa in mouse small intestine tissue lysate

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 #10096 available at:
10096: <https://www.bio-rad-antibodies.com/uploads/MSDS/10096.pdf>

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](#)

Sheep Anti Rabbit IgG (STAR36...) [DyLight@488](#), [DyLight@680](#), [DyLight@800](#)

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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

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