

Datasheet: AHP1306

Description:	RABBIT ANTI PLK1 (pThr210)
Specificity:	PLK1 (pThr210)
Other names:	POLO-LIKE KINASE 1, SERINE THREONINE PROTEIN KINASE PLK1
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 ml

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			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting (1)	▪			1/1000

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.

(1) **For the detection of phosphoproteins, tyrosine phosphatase inhibitors such as 1mM Sodium Orthovanadate should be added to the sample buffer. Milk or other casein-based blocking solutions are not recommended as casein is a phosphoprotein and its use can result in high background.**

Target Species	Rat
Species Cross Reactivity	<p>Reacts with: Human</p> <p>Based on sequence similarity, is expected to react with: Bovine, Mouse, Dog, Primate, Xenopus, Zebrafish</p> <p>N.B. Antibody reactivity and working conditions may vary between species.</p>
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to PLK1 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG was prepared by affinity chromatography.
Buffer Solution	10mM HEPES pH7.5
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)

0.01% Bovine Serum Albumin
50% Glycerol

Immunogen Synthetic phosphopeptide corresponding to an amino acid sequence within PLK1, which includes the phosphorylated residue Thr210.

External Database Links

UniProt:
[Q62673](#) [Related reagents](#)

Entrez Gene:
[25515](#) Plk1 [Related reagents](#)

Synonyms Plk

Specificity **Rabbit anti Rat PLK1 (pThr210) antibody** recognizes Polo-like kinase 1 (PLK1), also known as serine/threonine-protein kinase PLK1, when phosphorylated at threonine 210.

PLK1 is a member of a group of polo-like kinases which play essential roles in the progression of mitosis. PLK1 is involved in various stages of mitosis, including promotion through the activation of cyclin B1/Cdk (mitosis promoting factor), the formation of functional mitotic bipolar spindles, and the maturation of centrosomes. The timing at which PLK1 phosphorylation occurs at serine 137 and threonine 210 sites, may act as a regulator of PLK1 function through the mitotic cycle.

Western Blotting AHP1306 detects a band of approximately 66kDa in rat synaptic membrane cell lysates.

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 12 months from date of despatch.

Health And Safety Information Material Safety Datasheet documentation available at:
Material Safety Datasheet Documentation #10088 available at:
<https://www.bio-rad-antibodies.com/uploads/MSDS/10088.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](#)

North & South America Tel: +1 800 265 7376
Fax: +1 919 878 3751
Email: antibody_sales_us@bio-rad.com

Worldwide Tel: +44 (0)1865 852 700
Fax: +44 (0)1865 852 739
Email: antibody_sales_uk@bio-rad.com
'M294519:161005'

Europe Tel: +49 (0) 89 8090 95 21
Fax: +49 (0) 89 8090 95 50
Email: antibody_sales_de@bio-rad.com

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