

## Datasheet: AHP1805

**BATCH NUMBER 149449**

<b>Description:</b>	RABBIT ANTI HUMAN PI-3 KINASE p110 SUBUNIT DELTA (C-TERMINAL)
<b>Specificity:</b>	PI-3 KINASE p110 SUBUNIT DELTA (C-TERMINAL)
<b>Other names:</b>	p110 DELTA
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 mg

## 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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1/75000
Immunoprecipitation			▪	
Western Blotting	▪			1/3000

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>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antiserum to p110 delta (CT) was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared by affinity chromatography.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> ) 0.1% Bovine Serum Albumin
<b>Approx. Protein</b>	IgG concentration 1.0mg/ml

## Concentrations

<b>Immunogen</b>	Synthetic peptide SWKTKVNWLAHNVSKDNRQ with added cysteine, corresponding to amino acids 1026-1044 within the C-terminal region of human PI3-Kinase p110 subunit delta.
------------------	--

## External Database Links

### UniProt:

[O00329](#)

[Related reagents](#)

### Entrez Gene:

[5293](#)

PIK3CD

[Related reagents](#)

## RRID

AB\_2165262

## Specificity

**Rabbit anti Human PI-3 kinase subunit Delta** recognizes an epitope within the C-terminal (CT) region of human PI3-kinase p110 subunit delta (Phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit delta), a member of the PI3/PI4-kinase family of lipid kinases, implicated in the regulation of signal transduction during cell growth.

PI3-kinase is a heterodimer consisting of a p85 regulatory subunit and a p110 catalytic subunit, which itself is divided into isoforms p110alpha, p110beta, p110delta and p110gamma. Studies have shown that p110delta is predominantly restricted to leucocytes, exhibits a broad phosphoinositide lipid substrate specificity, and binds to Ras-GTP and p85.

Rabbit anti Human PI-3 kinase subunit Delta is reported as suitable for use in immunocytochemistry.

## ELISA

This product is suitable for use in indirect ELISA applications.

## Storage

Store at -20°C only.

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 #10041 available at:  
<https://www.bio-rad-antibodies.com/SDS/AHP180510041>

## 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](#)

### Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 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 Fax: +44 (0)1865 852 739 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 Fax: +49 (0) 89 8090 95 50 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)  
'M364046:200529'

Printed on 12 Aug 2023

---

© 2023 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)