

Datasheet: AHP1805

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

	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.

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

Links[O00329](#) [Related reagents](#)**Entrez Gene:**[5293](#) PIK3CD [Related reagents](#)**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.

Shelf Life

18 months from date of despatch.

Health And Safety Information

Material Safety Datasheet Documentation #10041 available at:
<https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)
 Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
 Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
 Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
 Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
 Sheep Anti Rabbit IgG (STAR54...) [HRP](#)
 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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Printed on 29 May 2017

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