

## Datasheet: AHP1898

<b>Description:</b>	GOAT ANTI HUMAN PI-3 KINASE p110 SUBUNIT ALPHA
<b>Specificity:</b>	PI-3 KINASE p110 SUBUNIT ALPHA
<b>Other names:</b>	PIK3CA
<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	■			2.0 - 3.0ug/ml
ELISA	■			1/128000
Immunoprecipitation			■	
Western Blotting			■	

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>	Based on sequence similarity, is expected to react with: Mouse, Rat, Dog, Bovine <b>N.B.</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.
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antiserum to human p110alpha was raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.
<b>Buffer Solution</b>	TRIS buffered saline

<b>Preservative</b>	0.02% Sodium Azide (NaN <sub>3</sub> )
<b>Stabilisers</b>	0.5% Bovine Serum Albumin
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5mg/ml
<b>Immunogen</b>	Synthetic peptide C-HQWLKDKNKGEIYD from the internal region of human PI3-kinase p110 subunit alpha (NP_006209.2).
<b>External Database Links</b>	<p><b>UniProt:</b></p> <p><a href="#">P42336</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b></p> <p><a href="#">5290</a>    PIK3CA    <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_2299726
<b>Specificity</b>	<p><b>Goat anti Human PI-3 kinase p110 subunit alpha antibody</b> recognizes human PI3-kinase p110 subunit alpha (Phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit alpha), otherwise known as PIK3CA, a member of the PI3/PI4-kinase family of lipid kinases, implicated in the regulation of signal transduction during cell growth.</p> <p>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. Mutations in the PIK3CA gene are associated with breast, ovarian and colorectal cancers (CRC).<a href="http://www.omim.org/entry/114500">http://www.omim.org/entry/114500</a> Colorectal cancer is a heterogeneous disease that is common in both men and women. characterized by malignant lesions arising from the inner wall of the large intestine (the colon) and the rectum (<a href="#">Vehlo et al. 2005</a>).</p>
<b>Histology Positive Control Tissue</b>	Human cerebral cortex
<b>Storage</b>	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10058 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP1898">https://www.bio-rad-antibodies.com/SDS/AHP1898</a> 10058
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

### Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto: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](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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)

'M420652:230706'

**Printed on 12 Aug 2023**

---

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