

## Datasheet: AHP1219

<b>Description:</b>	RABBIT ANTI HUMAN PIB5PA
<b>Specificity:</b>	PIB5PA
<b>Other names:</b>	PHOSPHATIDYLINOSITOL 4,5-BISPHOSPHATE 5-PHOSPHATASE A
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin (1)	▪			10 - 20ug/ml
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	
Functional Assays			▪	

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) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.**

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Based on sequence similarity, is expected to react with: Mouse, Rat <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antisera to human PIB5PA were raised by repeated immunisations of rabbit with highly purified antigen. Purified IgG prepared by affinity chromatography.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml

<b>Immunogen</b>	Synthetic peptide to the internal domain of human PIB5PA conjugated to KLH.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q15735</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">27124</a>   INPP5J   <a href="#">Related reagents</a></p>
<b>Synonyms</b>	PIB5PA, PIPP
<b>Specificity</b>	<p><b>Rabbit anti Human PIB5PA antibody</b> detects an epitope within the internal domain of phosphatidylinositol (4,5) bisphosphate 5-phosphatase A (PIB5PA).</p> <p>Also known as PIPP (proline-rich inositol polyphosphate 5-phosphatase), PIB5PA functions as a negative regulator of PI3-kinase signalling events that promote neurite elongation and survival, and is thought to regulate the level of inositol and phosphatidylinositol polyphosphates at membrane ruffles.</p> <p>PIB5PA is constitutively associated with the plasma membrane, and is expressed in a number of tissues including the brain, heart, kidney, stomach, small intestine and lung.</p>
<b>Histology Positive Control Tissue</b>	Glomerulus and renal tubular epithelium in cortex
<b>Further Reading</b>	<ol style="list-style-type: none"> <li>Ooms, L.M. <i>et al.</i> (2006) The inositol polyphosphate 5-phosphatase, PIPP, Is a novel regulator of phosphoinositide 3-kinase-dependent neurite elongation. <a href="#">Mol Biol Cell. 17 (2): 607-22.</a></li> <li>Mochizuki, Y. &amp; Takenawa, T. (1999) Novel inositol polyphosphate 5-phosphatase localizes at membrane ruffles. <a href="#">J Biol Chem. 274 (51): 36790-5.</a></li> </ol>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
<b>Shelf Life</b>	18 months from date of despatch.
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation available at:  Material Safety Datasheet Documentation #10040 available at:  <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a></p>
<b>Regulatory</b>	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](#)

## Recommended Useful Reagents

[HISTAR DETECTION SYSTEM \(STAR3000A\)](#)

[HISTAR DETECTION SYSTEM \(STAR3000B\)](#)

[HISTAR DETECTION SYSTEM \(STAR3000C\)](#)

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

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

**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)

'M294460:161004'

**Printed on 12 Mar 2018**

---

© 2018 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)