

## Datasheet: AHP3095

<b>Description:</b>	RABBIT ANTI HUMAN PITX2
<b>Specificity:</b>	PITX2
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	■			1/500

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 human PITX2 was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.035% Sodium Azide (NaN <sub>3</sub> ) 30% Glycerol
<b>Carrier Free</b>	Yes
<b>Immunogen</b>	A peptide within the N-terminal region of human PITX2
<b>External Database Links</b>	<b>UniProt:</b> <a href="https://www.uniprot.org/entry/Q99697">Q99697</a> <a href="#">Related reagents</a>

**Entrez Gene:**[5308](#) PITX2 [Related reagents](#)

<b>Synonyms</b>	ARP1, RGS, RIEG, RIEG1
<b>Specificity</b>	<p><b>Rabbit anti Human PITX2 antibody</b> recognizes pituitary homeobox 2, also known as paired-like homeodomain transcription factor 2.</p> <p>PITX2 is a member of the RIEG/PITX homeobox family and functions as a transcription factor (<a href="#">Logan et al. 1998</a>). PITX2 regulates the expression of procollagen lysyl hydroxylase; involved in the development of teeth, eyes, and abdominal organs. Mutations in the <i>PITX2</i> gene have been linked to Axenfeld-Rieger syndrome (ARS) (<a href="#">Héon et al. 1995</a>). Aberrant levels of PITX2 have also been observed in cancers like thyroid, ovarian, and colon cancer (<a href="#">Huang et al. 2010</a>) (<a href="#">Fung et al. 2012</a>) (<a href="#">Hirose et al. 2011</a>).</p>
<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. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10049 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP3095">https://www.bio-rad-antibodies.com/SDS/AHP3095</a> 10049
<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](#)

<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://www.bio-rad-antibodies.com/datasheets)

'M394917:220218'

Printed on 18 Jan 2024

