

Datasheet: AHP3095

BATCH NUMBER 160786

Description:	RABBIT ANTI HUMAN PITX2
Specificity:	PITX2
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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.

Target Species	Human
Product Form	Purified IgG - liquid
Antiserum Preparation	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.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.035% Sodium Azide (NaN ₃) 30% Glycerol
Carrier Free	Yes
Immunogen	A peptide within the N-terminal region of human PITX2

External Database Links

UniProt:

[Q99697](https://www.uniprot.org/entry/Q99697)

[Related reagents](#)

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

Synonyms ARP1, RGS, RIEG, RIEG1

Specificity **Rabbit anti Human PITX2 antibody** recognizes pituitary homeobox 2, also known as paired-like homeodomain transcription factor 2.

PITX2 is a member of the RIEG/PITX homeobox family and functions as a transcription factor ([Logan et al. 1998](#)). PITX2 regulates the expression of procollagen lysyl hydroxylase; involved in the development of teeth, eyes, and abdominal organs. Mutations in the *PITX2* gene have been linked to Axenfeld-Rieger syndrome (ARS) ([Héon et al. 1995](#)). Aberrant levels of PITX2 have also been observed in cancers like thyroid, ovarian, and colon cancer ([Huang et al. 2010](#)) ([Fung et al. 2012](#)) ([Hirose et al. 2011](#)).

Storage 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.

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.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10049 available at: <https://www.bio-rad-antibodies.com/SDS/AHP3095>
10049

Regulatory 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](#)**North & South America** Tel: +1 800 265 7376

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