

Datasheet: AHP1116

Description:	GOAT ANTI RXR ALPHA
Specificity:	RXR ALPHA
Other names:	RETINOID ACID RECEPTOR ALPHA
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	▪			1/15000 - 1/20000
Immunoprecipitation			▪	
Western Blotting	▪			0.5 - 3ug/ml

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species	Human
Species Cross Reactivity	Based on sequence similarity, is expected to react with: Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to human RXR alpha were raised by repeated immunisations of goats with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
Buffer Solution	TRIS buffered saline
Preservative	0.02% Sodium Azide
Stabilisers	0.5% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	Peptide sequence CQVNSSLTPTGRGSM corresponding to the internal region of RXR alpha (NP_002948).

**External Database
Links**

UniProt:

[P19793](#) [Related reagents](#)

Entrez Gene:

[6256](#) RXRA [Related reagents](#)

Synonyms

NR2B1

Specificity

Goat anti Human RXR alpha antibody detects an epitope within the internal region of retinoid X receptor alpha (RXR alpha). RXR alpha is a ~54 kDa member of the steroid/ thyroid receptor superfamily of transcriptional regulators, and is a nuclear receptor that mediates the biological effects of retinoids through its involvement in retinoic acid-mediated gene activation. RXR alpha regulates gene transcription by recruiting coactivators or corepressors to their promoter sequences.

RXRs play important roles in multiple signalling pathways, including cell growth, differentiation, homeostasis, metabolism, and development.

Goat anti Human RXR alpha antibody does not cross-react with either RXR beta or gamma.

Western Blotting

AHP1116 detects a band of approximately 55kDa in human epidermoid carcinoma A431 lysates. A minimum incubation time of 1 hour is recommended with this antibody.

References

1. Pestka, A. *et al.* (2011) Retinoid X receptor α and retinoids are key regulators in apoptosis of trophoblasts of patients with recurrent miscarriages. [J Mol Endocrinol. 47 \(2\): 145-56.](#)
2. Zhang, Z. *et al.* (2010) Constitutive Activation of the Mitogen Activated Protein Kinase Pathway Impairs Vitamin D Signaling in Human Prostate Epithelial Cells [J Cell Physiol. 224: 433-42.](#)

Further Reading

1. Lee, H.Y. *et al.* (2000) Stress pathway activation induces phosphorylation of retinoid X receptor. [J Biol Chem. 275 \(41\): 32193-9.](#)
2. Ghosh, J.C. *et al.* (2002) Interactions that determine the assembly of a retinoid X receptor/corepressor complex. [Proc Natl Acad Sci U S A. 99 \(9\): 5842-7.](#)
3. Konta, T. *et al.* (2001) Selective roles of retinoic acid receptor and retinoid x receptor in the suppression of apoptosis by all-trans-retinoic acid. [J Biol Chem. 276 \(16\): 12697-701.](#)

Storage

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. 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 #10058 available at:
10058: <https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

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