

Datasheet: AHP1116

BATCH NUMBER 180126

| | |
|----------------------|------------------------------|
| 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. 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.

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 Stabilisers | 0.02% Sodium Azide 0.5% Bovine Serum Albumin |
| Approx. Protein Concentrations | IgG concentration 0.5 mg/ml |
| Immunogen | Peptide sequence CQVNSSLTSP TGRGSM corresponding to the internal region of RXR alpha (NP_002948). |
| External Database Links | <p>UniProt: P19793 Related reagents</p> <p>Entrez Gene: 6256 RXRA Related reagents</p> |
| Synonyms | NR2B1 |
| RRID | AB_808734 |
| Specificity | <p>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.</p> <p>RXRs play important roles in multiple signalling pathways, including cell growth, differentiation, homeostasis, metabolism, and development.</p> <p>Goat anti Human RXR alpha antibody does not cross-react with either RXR beta or gamma.</p> |
| 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 | <ol style="list-style-type: none"> 1. Pestka, A. <i>et al.</i> (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. <i>et al.</i> (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 | <ol style="list-style-type: none"> 1. Lee, H.Y. <i>et al.</i> (2000) Stress pathway activation induces phosphorylation of retinoid X receptor. J Biol Chem. 275 (41): 32193-9. 2. Ghosh, J.C. <i>et al.</i> (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.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10058 available at: <https://www.bio-rad-antibodies.com/SDS/AHP1116>
10058

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

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

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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)
'M363815:200529'

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