

Datasheet: AHP1096

Description:	GOAT ANTI LXR ALPHA/BETA
Specificity:	LXR ALPHA/BETA
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	▪			1/32000
Immunoprecipitation			▪	
Western Blotting	▪			1 - 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	Reacts with: Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to human LXR Alpha/Beta 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 CRLQDKKLPLLSEI corresponding to the internal region of LXR Alpha/Beta (NP_005684; NP_009052).

**External Database
Links**

UniProt:

[P55055](#) [Related reagents](#)
[Q13133](#) [Related reagents](#)

Entrez Gene:

[7376](#) NR1H2 [Related reagents](#)
[10062](#) NR1H3 [Related reagents](#)

Synonyms

LXRA, LXRB, NER, UNR

Specificity

Goat anti Human LXR alpha/beta antibody recognizes human Oxysterols receptor LXR-alpha, also known as Liver X receptor alpha or Nuclear receptor subfamily 1 group H member 3. Goat anti Human LXR alpha/beta antibody detects an epitope corresponding to 429-442aa of human LXR (liver X receptor) alpha which has 100% amino acid sequence homology with 443-456aa of human LXR beta. LXR alpha and beta are members of the nuclear hormone receptor superfamily of ligand-activated transcription factors containing a single [nuclear receptor DNA binding domain](#) and each have a molecular weight of ~55kDa.

LXR alpha and beta are sterol-responsive with the ability to directly bind several oxysterol metabolites. Many LXR target genes have been identified that implicate these receptors in a variety of physiological processes including cholesterol transport and metabolism ([Ulven *et al.* 2005](#)), glucose metabolism, and inflammation ([Steffensen *et al.* 2004](#)).

Western Blotting

AHP1096 detects a band of approximately 55kDa in human spleen lysates. A minimum incubation time of 1 hour is recommended with this antibody.
* Additional minor bands of 38 and 75kD may also be present, these are blocked by pre-incubation of the antibody with the immunising peptide.

References

1. Valledor AF. (2005) The innate immune response under the control of the LXR pathway. [Immunobiology. 210: 127-132.](#)
2. Michael, L.F. *et al.* (2005) The pharmacology of LXR. [Mini Rev Med Chem. 5: 729-740.](#)
3. Ulven SM, *et al.* (2005) LXR is crucial in lipid metabolism. [Prostaglandins Leukot Essent Fatty Acids. 73: 59-63.](#)

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:
<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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'M254675:140424'

Printed on 25 May 2017

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