LXR alpha Antibody – Goat Polyclonal

PRODUCT OVERVIEW

Product Name	LXR alpha, Polyclonal Antibody
Full Product Name	LXR alpha
Product Gene Name	anti-LXR alpha antibody
Product Synonym Gene Name	NR1H3
Product Synonym Names	Liver X receptor alpha; Nuclear receptor subfamily 1 group H member 3
Clonality	Polyclonal
Isotype	IgG
Host	Goat
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Immunogen affinity purified
Preparation and Storage	Aliquot and store at-20 degree C. Avoid repeated freeze/thaw cycles.
Molecular Weight	45,692 Da
OMIM	602423
3D Structure	ModBase 3D Structure for Q13133
Immunogen	Peptide
Storage Buffer	1*TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-LXR alpha antibody	Western Blot (WB), Immunoprecipitation (IP), Immunofluorescence (IF)
Related Product Information for anti-LXR alpha antibody	MBS8535084 is an antibody targeting LXR alpha. Reactive in Human, Mouse, Rat. Host: Goat.
Other Notes	Small volumes of anti-LXR alpha antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for LXR alpha. It may not necessarily be applicable to this product.

NCBI GI #	194328806
NCBI GeneID	10062
NCBI Accession #	NP_001123573.1
UniProt Primary Accession #	Q13133
UniProt Secondary Accession #	Q8IW13; Q96H87; A8K3J9; D3DQR1
UniProt Related Accession #	Q13133

GenBank Nucleotide #	NM_001130101.2
NCBI Official Full Name	oxysterols receptor LXR-alpha isoform 2
NCBI Official Synonym Full Names	nuclear receptor subfamily 1 group H member 3
NCBI Official Symbol	NR1H3
NCBI Official Synonym Symbols	LXRA; LXR-a; RLD-1
UniProt Protein Name	Oxysterols receptor LXR-alpha
UniProt Synonym Protein Names	Liver X receptor alpha; Nuclear receptor subfamily 1 group H member 3
Protein Family	Oxysterols receptor
UniProt Gene Name	NR1H3
UniProt Synonym Gene Names	LXRA
NCBI Protein Information	oxysterols receptor LXR-alpha
NCBI Summary for LXR alpha	The protein encoded by this gene belongs to the NR1 subfamily of the nuclear receptor superfamily. The NR1 family members are key regulators of macrophage function, controlling transcriptional programs involved in lipid homeostasis and inflammation. This protein is highly expressed in visceral organs, including liver, kidney and intestine. It forms a heterodimer with retinoid X receptor (RXR), and regulates expression of target genes containing retinoid response elements. Studies in mice lacking this gene suggest that it may play an important role in the regulation of cholesterol homeostasis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]
UniProt Comments for LXR alpha	Nuclear receptor that exhibits a ligand-dependent transcriptional activation activity (PubMed:19481530, PubMed:25661920). Interaction with retinoic acid receptor (RXR) shifts RXR from its role as a silent DNA-binding partner to an active ligand-binding subunit in mediating retinoid responses through target genes defined by LXRES (). LXRES are DR4-type response elements characterized by direct repeats of two similar hexanuclotide half-sites spaced by four nucleotides (). Plays an important role in the regulation of cholesterol homeostasis, regulating cholesterol uptake through MYLIP-dependent ubiquitination of LDLR, VLDLR and LRP8 (PubMed:19481530). Interplays functionally with RORA for the regulation of genes involved in liver metabolism ().
Research Articles on LXR alpha	**1.** LXR gene expression was significantly increased in obese children with obstructive sleep apnea-hypopnea syndrome (OSAHS). The severity of OSAHS was positively correlated with COX-2 levels.
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