

Rabbit anti-Human, Mouse LXR-alpha Polyclonal Antibody | anti-LXR-alpha antibody

LXR-alpha antibody (pAb)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA59987	Rabbit	Human, Mouse	Western Blot, Chromatin Immunoprecipitation, Immunoprecipitation, Chromatin Immunoprecipitation, Immunoprecipitation

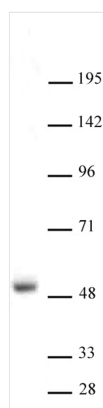
PRODUCT SYNONYMS

LXR-alpha; Polyclonal Antibody; LXR-alpha antibody (pAb); NR1H3; LXRA; RLD-1; anti-LXR-alpha antibody

PRODUCT SPECIFICATIONS

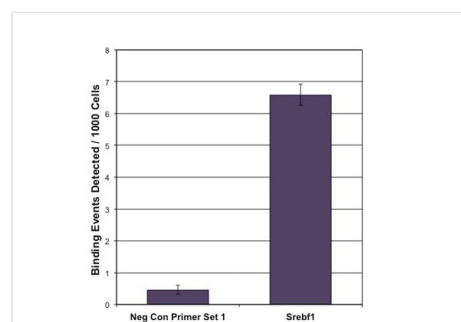
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purified
Form/Format	Purified rabbit IgG in 70mM Tris, 105mM EDTA, 31mM glycine, 30% glycerol and 0.035% sodium azide. Sodium azide is highly toxic.
Applicable Applications for anti-LXR-alpha antibody	WB (Western Blot), ChIP (Chromatin immunoprecipitation), ChIP (Chromatin immunoprecipitation)
Immunogen	This LXR-a antibody was raised against a peptide in the N-terminal region of human LXR-a.
Preparation and Storage	Some products may be shipped at room temperature. This will not affect their stability or performance. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20 degree C for up to 2 years. Keep all reagents on ice when not in storage.1ug/ul

IMAGES



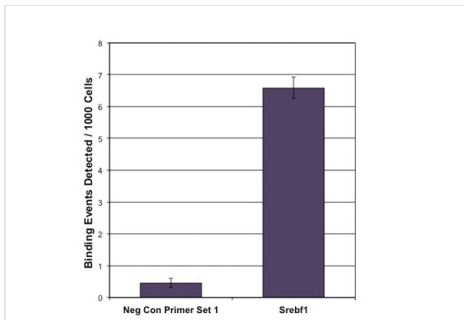
WB (Western Blot)

LXR-a antibody (pAb) tested by Western blot. Whole cell extract of Hep G2 cells (30 ug) probed with LXR-a antibody (pAb) at a dilution of 1:500.



ChIP (Chromatin Immunoprecipitation)

LXR-a antibody (pAb) tested by ChIP. Chromatin immunoprecipitation (ChIP) was performed using the ChIP-IT High Sensitivity Kit with 20 ug of mouse embryonic fibroblast chromatin and 10 ul of LXR-a antibody. ChIP DNA was used in qPCR with the negative control primer pairs or gene-specific primer pairs as indicated. Data are presented as Binding Events Detected per 1000 Cells using Epigenetic Services normalization scheme which accounts for primer efficiency and the amount of chromatin used in the ChIP reaction.



ChIP (Chromatin Immunoprecipitation)
 LXR-a antibody (pAb) tested by ChIP-chip. ChIP was performed using the ChIP-IT High Sensitivity Kit with chromatin from 2 million mouse embryonic fibroblasts. ChIP DNA was amplified by WGA, labeled and hybridized to a mouse tiling array. The image is zoomed in to show LXR-a binding at the promoter of the retinoic acid inducible gene Zmiz1. LXR binding at this gene is expected since LXR is known to form heterodimers with RXR (retinoic acid receptor).

ADDITIONAL INFORMATION

Related Product Information for anti-LXR-alpha antibody	Short Description: Our LXR-alpha antibody (pAb) was raised in a Rabbit host. It has been validated for use in Chromatin Immunoprecipitation, ChIP-Seq and Western blot; it has been shown to react with Human and Mouse samples. Background: LXR-a (Liver X receptor alpha, NR1H3) is an orphan nuclear receptor and a member of the NR1 receptor family. The LXR receptors (including LXR-a and LXR-b) bind oxysterols and play key roles in maintaining cholesterol homeostasis in macrophages, primarily by regulating multiple components of the reverse cholesterol transport. They also are potent inhibitors of inflammation and are capable of repressing cytokine and chemokine production by Toll-like receptor (TLR)-activated macrophages. LXR-a is expressed mainly in liver and adipose tissue and interacts with RXR, shifting RXR to an active ligand-binding subunit mediating responses to retinoids.
Product Categories/Family for anti-LXR-alpha antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	194294517
NCBI GeneID	10062
NCBI Accession #	NP_005684; AB_2614981
NCBI GenBank Nucleotide #	NM_005693.3
UniProt Accession #	Q13133; Q8IW13; Q96H87; A8K3J9; D3DQR1
Molecular Weight	Predicted: 44; 49 kDa Observed: 46 kDa
NCBI Official Full Name	oxysterols receptor LXR-alpha isoform 1
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
NCBI Protein Information	oxysterols receptor LXR-alpha; liver X nuclear receptor alpha variant 1
UniProt Protein Name	Oxysterols receptor LXR-alpha
UniProt Gene Name	NR1H3
UniProt Synonym Gene Names	LXRA

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/lxr-alpha-antibody-western-blot-chromatin-immunoprecipitation-chromatin-immunoprecipitation-elisa/59987>