

**LXR alpha Rabbit mAb**  
Catalog # AP75684**Specification****LXR alpha Rabbit mAb - Product Information**

Application	<b>WB, IHC</b>
Primary Accession	<a href="#">O13133</a>
Reactivity	<b>Human, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Monoclonal Antibody</b>
Calculated MW	<b>50396</b>

**LXR alpha Rabbit mAb - Additional Information****Gene ID** 10062**Other Names**  
NR1H3**Dilution**  
WB~~1/500-1/1000  
IHC~~1/50-1/100**Format**  
Liquid**LXR alpha Rabbit mAb - Protein Information****Name** NR1H3**Synonyms** LXRA**Function**

Nuclear receptor that exhibits a ligand-dependent transcriptional activation activity (PubMed:<a href="http://www.uniprot.org/citations/19481530" target="\_blank">19481530</a>, PubMed:<a href="http://www.uniprot.org/citations/25661920" target="\_blank">25661920</a>, PubMed:<a href="http://www.uniprot.org/citations/37478846" target="\_blank">37478846</a>). 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 (PubMed:<a href="http://www.uniprot.org/citations/37478846" target="\_blank">37478846</a>). LXRES are DR4-type response elements characterized by direct repeats of two similar hexanuclotide half-sites spaced by four nucleotides (By similarity). Plays an important role in the regulation of cholesterol homeostasis, regulating cholesterol uptake through MYLIP-dependent ubiquitination of LDLR, VLDLR and LRP8 (PubMed:<a href="http://www.uniprot.org/citations/19481530" target="\_blank">19481530</a>). Interplays functionally with RORA for the regulation of genes involved in liver metabolism (By similarity). Induces LPCAT3-dependent phospholipid remodeling in endoplasmic reticulum (ER) membranes of hepatocytes, driving SREBF1 processing and lipogenesis (By similarity). Via LPCAT3, triggers the

incorporation of arachidonate into phosphatidylcholines of ER membranes, increasing membrane dynamics and enabling triacylglycerols transfer to nascent very low-density lipoprotein (VLDL) particles. Via LPCAT3 also counteracts lipid-induced ER stress response and inflammation, likely by modulating SRC kinase membrane compartmentalization and limiting the synthesis of lipid inflammatory mediators (By similarity).

#### Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00407, ECO:0000269|PubMed:25661920}.  
Cytoplasm {ECO:0000250|UniProtKB:Q9Z0Y9}

#### Tissue Location

Visceral organs specific expression. Strong expression was found in liver, kidney and intestine followed by spleen and to a lesser extent the adrenals

### LXR alpha Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### LXR alpha Rabbit mAb - Images



