

ARG41237 anti-NR1H3 / LXR alpha antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NR1H3 / LXR alpha
Tested Reactivity	Rat
Predict Reactivity	Hu, Ms
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NR1H3 / LXR alpha
Species	Human
Immunogen	A 15 amino acid synthetic peptide within aa. 50-100 of Human NR1H3 / LXR alpha.
Conjugation	Un-conjugated
Alternate Names	RLD-1; Oxysterols receptor LXR-alpha; Nuclear receptor subfamily 1 group H member 3; LXRA; LXR-a; Liver X receptor alpha

Application Instructions

Application table	Application	Dilution
	IHC-P	5 - 20 µg/ml
	WB	1 - 2 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Rat liver	
Observed Size	~ 46 kDa	

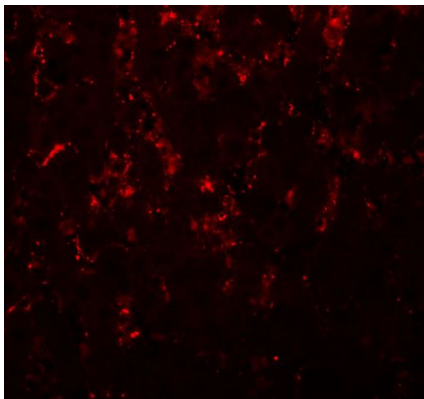
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS and 0.02% Sodium azide.
Preservative	0.02% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

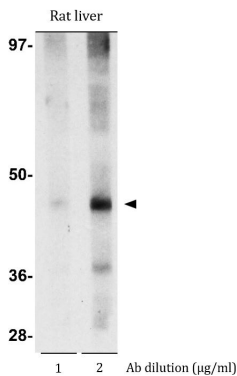
Gene Symbol	NR1H3
Gene Full Name	nuclear receptor subfamily 1, group H, member 3
Background	<p>The protein encoded by this gene belongs to the NR1 subfamily of the nuclear receptor superfamily. The NR1 family members are key regulators of macrophage function, controlling transcriptional programs involved 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]</p>
Function	<p>Nuclear receptor. Interaction with 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 hexanucleotide 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. Interplays functionally with RORA for the regulation of genes involved in liver metabolism (By similarity). Exhibits a ligand-dependent transcriptional activation activity. [UniProt]</p>
Calculated Mw	50 kDa
Cellular Localization	Nucleus. [UniProt]

Images



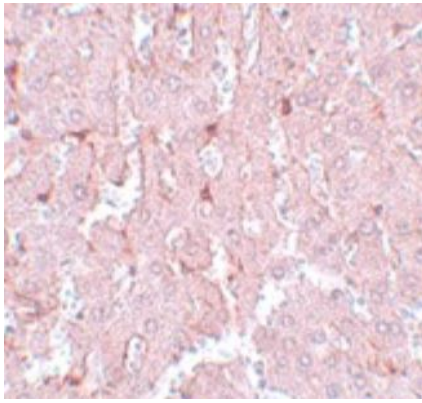
ARG41237 anti-NR1H3 / LXR alpha antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat liver tissue stained with ARG41237 anti-NR1H3 / LXR alpha antibody at 20 µg/ml dilution.



ARG41237 anti-NR1H3 / LXR alpha antibody WB image

Western blot: Rat liver lysate stained with ARG41237 anti-NR1H3 / LXR alpha antibody at 1 and 2 µg/ml dilution.



ARG41237 anti-NR1H3 / LXR alpha antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat liver tissue stained with ARG41237 anti-NR1H3 / LXR alpha antibody at 5 µg/ml dilution.