

Rabbit NR1H3 Polyclonal Antibody | anti-NR1H3 antibody

NR1H3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326623	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

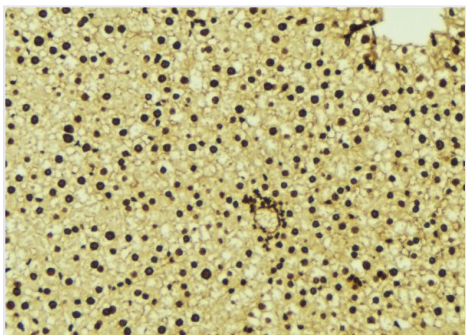
PRODUCT SYNONYMS

NR1H3; Polyclonal Antibody; NR1H3 Antibody; Liver X receptor alpha; LXR a; LXRA; NR1H3_HUMAN; Nuclear receptor subfamily 1 group H member 3; Oxysterols receptor LXR alpha; Oxysterols receptor LXR-alpha; RLD 1; RLD1; anti-NR1H3 antibody

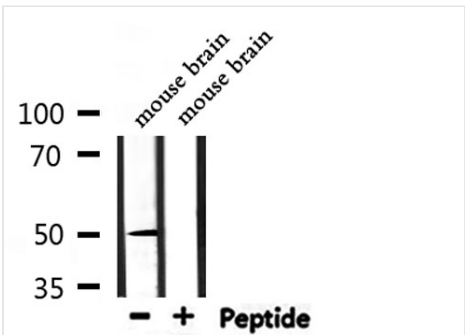
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	NR1H3 antibody detects endogenous levels of total NR1H3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	387
Applicable Applications for anti-NR1H3 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human NR1H3
Subcellular Location	Nucleus.
Tissue Specificity	Visceral organs specific expression. Strong expression was found in liver, kidney and intestine followed by spleen and to a lesser extent the adrenals.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

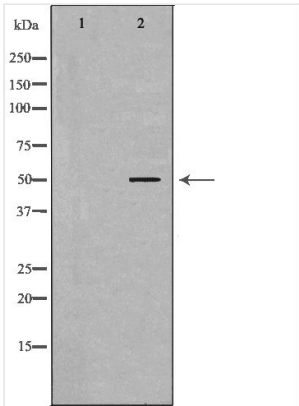
IMAGES



IHC (Immunohistochemistry)
AAA326623 at 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts from mouse brain, using NR1H3 Antibody.



WB (Western Blot)
Western blot analysis of extracts of MCF7, using NR1H3 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-NR1H3 antibody

Description: 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]

Function: 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 (By similarity). LXRES are DR4-type response elements characterized by direct repeats of two similar hexanucleotide 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:19481530). Interplays functionally with RORA for the regulation of genes involved in liver metabolism (By similarity).

Subunit Structure: Heterodimer of NR1H3 and RXR (retinoic acid receptor). Interacts with CCAR2 (via N-terminus) in a ligand-independent manner. Interacts with SIRT1 and this interaction is inhibited by CCAR2 (PubMed:25661920). Interacts with GPS2 (PubMed:19481530).

Similarity: Belongs to the nuclear hormone receptor family. NR1 subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	194328806
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NCBI GeneID	10062
NCBI Accession #	NP_001123573.1
NCBI GenBank Nucleotide #	NM_001130101.2
UniProt Accession #	Q13133 ; Q8IW13 ; Q96H87 ; A8K3J9 ; D3DQR1
Molecular Weight	Observed: 50 kDa Predicted: 51 kDa
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
NCBI Protein Information	oxysterols receptor LXR-alpha
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/nr1h3-antibody-immunohistochemistry-western-blot-elisa/326623>