

Rabbit anti-Human NR1H3 Polyclonal Antibody | anti-NR1H3 antibody

NR1H3 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288850	Rabbit	Human	ELISA, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay

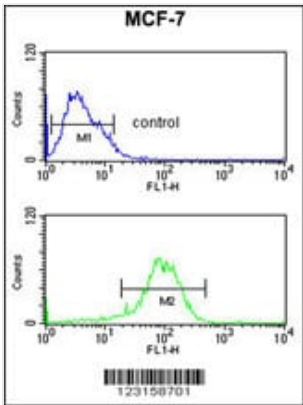
PRODUCT SYNONYMS

NR1H3; Polyclonal Antibody; NR1H3 Antibody (Center); Oxysterols receptor LXR-alpha; Liver X receptor alpha; Nuclear receptor subfamily 1 group H member 3; LXRA; anti-NR1H3 antibody

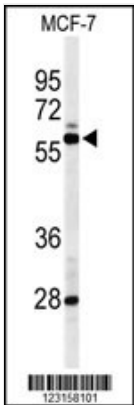
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This NR1H3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 226-253 amino acids from the Central region of human NR1H3.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	226-253
Sequence Length	387
Applicable Applications for anti-NR1H3 antibody	ELISA, WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

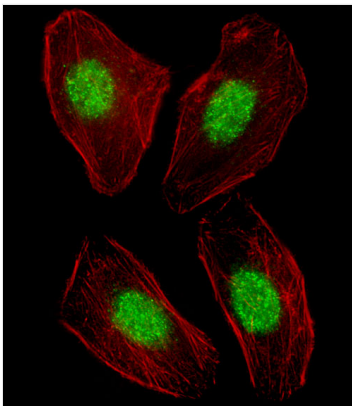
IMAGES



FCM/FACS (Flow Cytometry)
NR1H3 Antibody (Center) flow cytometric analysis of MCF-7 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Western blot analysis of NR1H3 Antibody (Center) in MCF-7 cell line lysates (35ug/lane). NR1H3 (arrow) was detected using the purified Pab.



IF (Immunofluorescence)
Fluorescent image of U251 cell stained with NR1H3 Antibody (Center). U251 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with NR1H3 primary antibody (1:25, 1 h at 37 degree). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 degree).Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37 degree).NR1H3 immunoreactivity is localized to Nucleus significantly.

ADDITIONAL INFORMATION

Related Product Information for anti-NR1H3 antibody	NR1H3 form a subfamily of the nuclear receptor superfamily and are key regulators of macrophage function, controlling transcriptional programs involved in lipid homeostasis and inflammation. The inducible LXRA is highly expressed in liver, adrenal gland, intestine, adipose tissue, macrophages, lung, and kidney, whereas LXRβ is ubiquitously expressed. Ligand-activated LXRs form obligate heterodimers with retinoid X receptors (RXRs; see MIM 180245) and regulate expression of target genes containing LXR response elements.
Product Categories/Family for anti-NR1H3 antibody	Cancer; Cardiovascular; Metabolism; Signal transduction
References	Davila, S., et al. Genes Immun. 11(3):232-238(2010) Nedumaran, B., et al. J. Biol. Chem. 285(12):9221-9232(2010) Zhao, C., et al. J. Endocrinol. 204(3):233-240(2010) Anthonisen, E.H., et al. J. Biol. Chem. 285(3):1607-1615(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	194328806
NCBI GeneID	10062

NCBI Accession #	NP_001123573.1; NP_001123574.1; NP_005684.2
NCBI GenBank Nucleotide #	NM_001130101.2
UniProt Accession #	Q13133; Q8IW13; Q96H87; A8K3J9; D3DQR1
Molecular Weight	50396
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
UniProt Entry Name	NR1H3_HUMAN

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-western-blot-immunofluorescence-flow-cytometry-elisa/288850>