

Datasheet for ABIN653910
anti-NR1H3 antibody (AA 226-253)

3 Images

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Overview

Quantity:	400 µL
Target:	NR1H3
Binding Specificity:	AA 226-253
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NR1H3 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

Immunogen:	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.
Clone:	RB23158
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	NR1H3
Alternative Name:	NR1H3 (NR1H3 Products)
Background:	NR1H3 form a subfamily of the nuclear receptor superfamily and are key regulators of

Target Details

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.

Molecular Weight: 50396

Gene ID: 10062

NCBI Accession: [NP_001123573](#), [NP_001123574](#), [NP_005684](#)

UniProt: [Q13133](#)

Pathways: [Nuclear Receptor Transcription Pathway](#), [Steroid Hormone Mediated Signaling Pathway](#), [Nuclear Hormone Receptor Binding](#), [Cellular Response to Molecule of Bacterial Origin](#), [Hepatitis C](#)

Application Details

Application Notes: IF: 1:10~50. WB: 1:1000. FC: 1:10~50

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

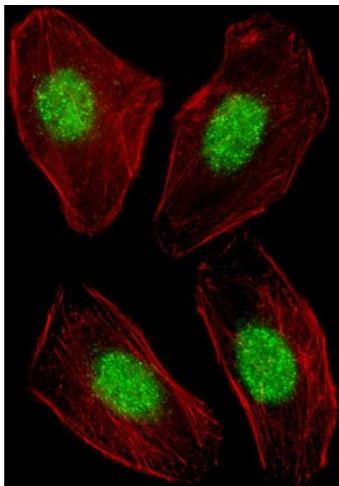
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

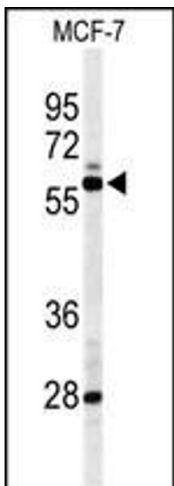
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



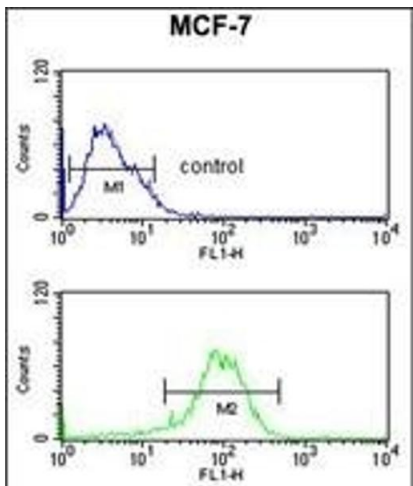
Immunofluorescence

Image 1. Fluorescent image of cell stained with NR1H3 Antibody (Center) (ABIN653910 and ABIN2843147). 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 °C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 °C).Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7 units/mL, 1 h at 37 °C).NR1H3 immunoreactivity is localized to Nucleus significantly.



Western Blotting

Image 2. Western blot analysis of NR1H3 Antibody (Center) (ABIN653910 and ABIN2843147) in MCF-7 cell line lysates (35 µg/lane). NR1H3 (arrow) was detected using the purified Pab.



Flow Cytometry

Image 3. NR1H3 Antibody (Center) (ABIN653910 and ABIN2843147) 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.