

Datasheet for ABIN953745
anti-NR0B2 antibody (Middle Region)

3 Images

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Overview

Quantity:	0.4 mL
Target:	NR0B2
Binding Specificity:	AA 56-83, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NR0B2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 56-83 amino acids from the Central region of human NR0B2
Isotype:	Ig Fraction
Specificity:	This antibody reacts to NR0B2.
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Affinity chromatography on Protein A

Target Details

Target:	NR0B2
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Target Details

Alternative Name:	NR0B2 (NR0B2 Products)
Background:	<p>The protein encoded by this gene is an unusual orphan receptor that contains a putative ligand-binding domain but lacks a conventional DNA-binding domain. The gene product is a member of the nuclear hormone receptor family, a group of transcription factors regulated by small hydrophobic hormones, a subset of which do not have known ligands and are referred to as orphan nuclear receptors. The protein has been shown to interact with retinoid and thyroid hormone receptors, inhibiting their ligand-dependent transcriptional activation. In addition, interaction with estrogen receptors has been demonstrated, leading to inhibition of function. Studies suggest that the protein represses nuclear hormone receptor-mediated transactivation via two separate steps: competition with coactivators and the direct effects of its transcriptional repressor function.</p> <p>Synonyms: Nuclear receptor subfamily 0 group B member 2, Orphan nuclear receptor SHP, SHP, Small heterodimer partner</p>
Molecular Weight:	28058 Da
Gene ID:	8431
NCBI Accession:	NP_068804
Pathways:	Nuclear Receptor Transcription Pathway , Positive Regulation of Peptide Hormone Secretion , Intracellular Steroid Hormone Receptor Signaling Pathway , Steroid Hormone Mediated Signaling Pathway

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

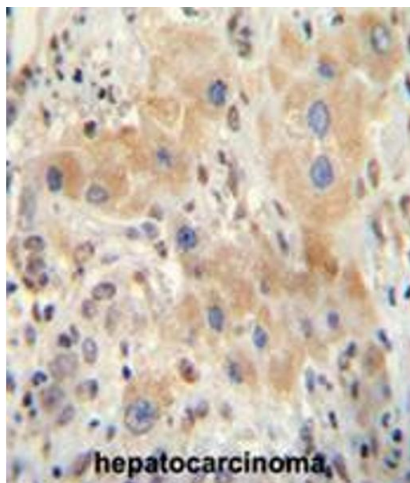
Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS, 0.09 % (W/V) sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.

Handling

Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

Images



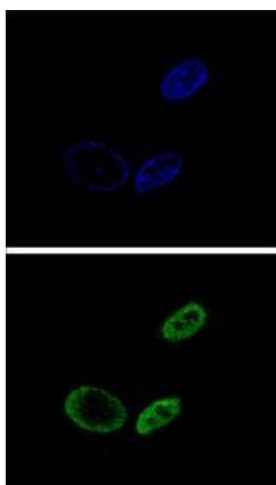
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. NR0B2 antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of NR0B2 antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. NR0B2 Antibody (Center)(PEI 1/100) western blot analysis in HepG2 cell line lysates (35µg/lane). This demonstrates the NR0B2 antibody detected the NR0B2 protein (arrow).



Immunofluorescence

Image 3. Confocal immunofluorescent analysis of NR0B2 Antibody (Center)(Cat#AP52928PU-N) with HepG2 cell followed by Alexa Fluor® 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).