

Rabbit anti-Human, Mouse NR0B2 Polyclonal Antibody | anti-NR0B2 antibody

NR0B2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326413	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

NR0B2; Polyclonal Antibody; NR0B2 Antibody; NR0B2_HUMAN; Nr0b2a; Nuclear receptor subfamily 0 group B member 2; Nuclear receptor subfamily 0; group B; member 2a; Orphan nuclear receptor SHP; SHP; SHP-1; Shp1; Small heterodimer partner; anti-NR0B2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	NR0B2 antibody detects endogenous levels of total NR0B2
Purity/Purification	Peptide affinity purification
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	257
Applicable Applications for anti-NR0B2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human NR0B2
Conjugation	Unconjugated
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA326413 staining A549 cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab (AAA326413) and mouse anti-beta-tubulin Ab for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L)Ab(Green) were used as the secondary antibody.



IHC (Immunohistochemistry)

AAA326413 at 1/100 staining Mouse pancreas 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°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of Transfected 293T cell lysate, using NR0B2 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-NR0B2 antibody	Description: 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. Function: Acts as a transcriptional regulator. Acts as a negative regulator of receptor-dependent signaling pathways. Specifically inhibits transactivation of the nuclear receptor with whom it interacts. Inhibits transcriptional activity of NEUROD1 on E-box-containing promoter by interfering with the coactivation function of the p300/CBP-mediated transcription complex for NEUROD1. Subunit Structure: Interacts with RARA, RXRA, THRB, NR5A1, NR5A2, NR1I3, PPARA, PPARG and EID1. May also interact with HNF4A (By similarity). Heterodimer; efficient DNA binding requires dimerization with another bHLH protein. Interacts (via N-terminus) with NEUROD1 (via N-terminus an C-terminus). Interacts with ID2. Post-translational Modifications: Arginine methylation by PRMT5 enhances repression activity of metabolic genes in liver in response to bile acid signaling, by increasing interaction with cofactors. Similarity: Belongs to the nuclear hormone receptor family. NR0 subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13259503
NCBI GeneID	8431
NCBI Accession #	NP_068804.1
NCBI GenBank Nucleotide #	NM_021969.2
UniProt Accession #	Q15466; Q5QP36; F1D8P5
Molecular Weight	29 kDa
NCBI Official Full Name	nuclear receptor subfamily 0 group B member 2
NCBI Official Synonym Full Names	nuclear receptor subfamily 0 group B member 2
NCBI Official Symbol	NR0B2
NCBI Official Synonym Symbols	SHP; SHP1
NCBI Protein Information	nuclear receptor subfamily 0 group B member 2
UniProt Protein Name	Nuclear receptor subfamily 0 group B member 2
UniProt Gene Name	NR0B2
UniProt Synonym Gene Names	SHP

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.