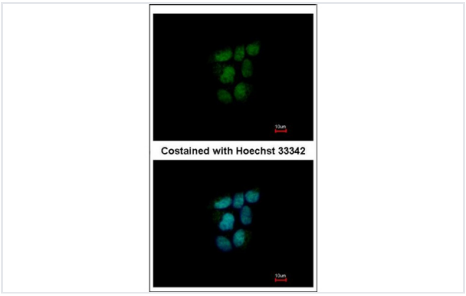
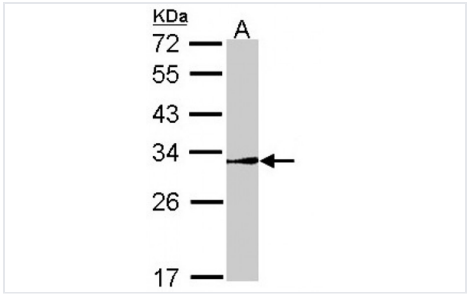
NR0B2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

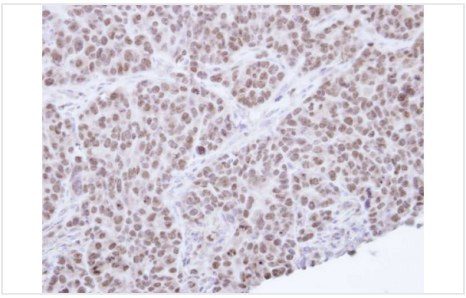
Product Name	NR0B2, Polyclonal Antibody
Full Product Name	NR0B2 Antibody
Product Gene Name	anti-NR0B2 antibody
Product Synonym Names	Affinity Purified Rabbit Polyclonal NR0B2 Antibody; Polyclonal NR0B2 antibody; Anti-NR0B2 antibody; FLJ17090 antibody; nuclear receptor SHP antibody; small heterodimer partner antibody; NR0B2 antibody; SHP antibody; orphan nuclear receptor SHP antibody; SHP1 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Form/Format	Supplied as a concentrated soloution containing 0.1M Tris, 0.1M Glycine, 20% Glycerol (pH 7.0). 0.01% Thimerosal was added as a preservative.
Purity/Purification	Antigen-Affinity Chromatography
Concentration	0.89 mg/ml (lot specific)
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.
Molecular Weight	28 kDa
OMIM	phenotype 604630
3D Structure	ModBase 3D Structure for Q15466
Cross-Reactivity	Human
Product Categories/Family for anti-NR0B2 antibody	Signal Transduction
Applications Tested/Suitable for anti-NR0B2 antibody	Immunofluorescence (IF), Immunocytochemistry (ICC), Immunohistochemistry (IHC) Paraffin, Western Blot (WB)
Application Notes for anti-NR0B2 antibody	IF: 1:100-1:500 ICC: 1:100-1:500 IHC-P: 1:100-1:500 WB: 1:500-1:3000
Related Product Information for anti-NR0B2 antibody	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.
Other Notes	Small volumes of anti-NR0B2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for NR0B2 purchase	MBS5312438 is an antibody targeting NR0B2. Also known as NR0B2 Antibody. Host: Rabbit.



Immunofluorescence (IF) of anti-NR0B2 antibody
Immunofluorescence analysis of paraformaldehyde-fixed A431, using NR0B2 antibody at 1:500 dilution.



Western Blot (WB) of anti-NR0B2 antibody
Western blot analysis of 30 ug of whole cell lysate (A: Molt-4) using a 12% SDS PAGE gel and NR0B2 antibody at a dilution of 1:1000



Immunohistochemistry (IHC) of anti-NR0B2 antibody
Immunohistochemical staining of paraffin-embedded SW480 Xenograft using NR0B2 antibody at a dilution of 1:100

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NR0B2. It may not necessarily be applicable to this product.

NCBI GI #	13259503
NCBI GeneID	8431
UniProt Primary Accession #	Q15466
UniProt Related Accession #	Q15466
GenBank Nucleotide #	NP_068804.1
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
UniProt Protein Name	Nuclear receptor subfamily 0 group B member 2
UniProt Synonym Protein Names	Orphan nuclear receptor SHP; Small heterodimer partner
Protein Family	Nuclear receptor subfamily
UniProt Gene Name	NR0B2
UniProt Synonym Gene Names	SHP
UniProt Entry Name	NR0B2_HUMAN
NCBI Protein Information	nuclear receptor subfamily 0 group B member 2

NCBI Summary for NR0B2	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. [provided by RefSeq, Jul 2008]
UniProt Comments for NR0B2	NR0B2: 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 trancription complex for NEUROD1. Defects in NR0B2 may be associated with obesity (OBESITY). It is a condition characterized by an increase of body weight beyond the limitation of skeletal and physical requirements, as the result of excessive accumulation of body fat. Belongs to the nuclear hormone receptor family. NR0 subfamily. Protein type: Nuclear receptor co-regulator; Nuclear receptor; Transcription, coactivator/corepressor Chromosomal Location of Human Ortholog: 1p36.1 Cellular Component: nucleoplasm; protein complex; cytoplasm; nucleus Molecular Function: retinoid X receptor binding; protein domain specific binding; protein binding; peroxisome proliferator activated receptor binding; protein homodimerization activity; DNA binding; protein complex binding; steroid hormone receptor activity; thyroid hormone receptor binding; transcription factor activity; transcription corepressor activity Biological Process: cholesterol metabolic process; transcription initiation from RNA polymerase II promoter; organ regeneration; negative regulation of transcription factor activity; response to glucose stimulus; positive regulation of insulin secretion; steroid hormone mediated signaling; gene expression; negative regulation of transcription from RNA polymerase II promoter Disease: Obesity
Research Articles on NR0B2	**1.** Loss of SHP expression is associated with nonalcoholic steatohepatitis.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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