

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

NR0B2 Rabbit anti-Human Polyclonal (C-Terminus) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA162462	Rabbit	Human	Immunohistochemistry, Immunohistochemistry

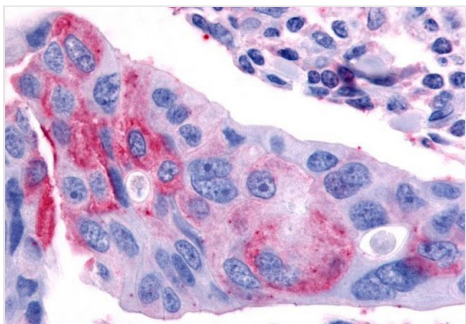
PRODUCT SYNONYMS

NR0B2; Polyclonal Antibody; NR0B2 Rabbit anti-Human Polyclonal (C-Terminus) Antibody; PathPlus NR0B2 Antibody (C-Terminus); Short heterodimer partner; SHP; Nuclear receptor SHP; Orphan nuclear receptor SHP; Small heterodimer partner; SHP1; anti-NR0B2 antibody

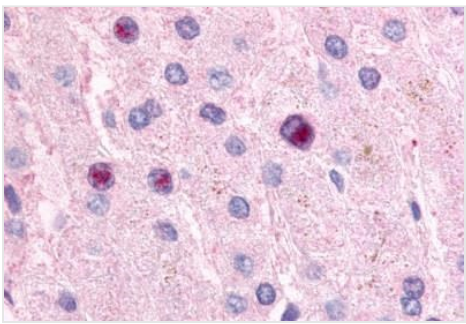
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	Human NR0B2. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Purity/Purification	Immunoaffinity purified
Form/Format	PBS, 0.1% Sodium Azide
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-NR0B2 antibody	IHC (Immunohistochemistry), IHC (Immunohistochemistry)
Target	Human NR0B2
Immunogen	Synthetic 14 amino acid peptide near C-Terminus of human NR0B2. Percent identity with other species by BLAST analysis: Human, Chimpanzee, Orangutan, Gibbon, Monkey, Marmoset (100%); Gorilla, Tamarin, Bat (93%); Hamster, Panda, Rabbit, Horse (86%).
Conjugation	Unconjugated
Epitope	C-Terminus
Family	NHR
Subfamily	NR0 Knirps-like
Preparation and Storage	Aliquot and store undiluted at -20 degree C or below for up to 1 year. Can be stored undiluted at 4 degree C for up to 1 month. Avoid freeze-thaw cycles.

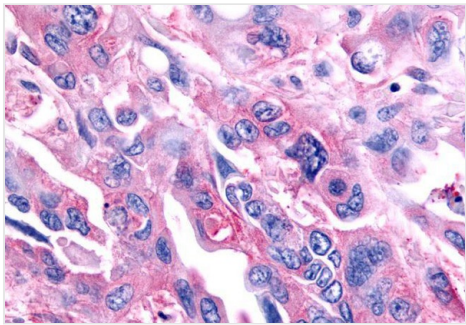
IMAGES



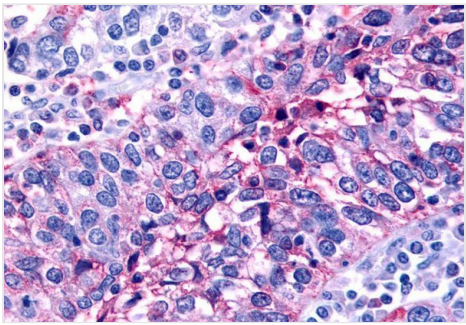
IHC (Immunohistochemistry)
NR0B2 Antibody-Breast, carcinoma



IHC (Immunohistochemistry)
NR0B2 Antibody-Anti-NR0B2 antibody IHC staining of human liver, hepatocytes.
Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



IHC (Immunohistochemistry)
NR0B2 Antibody-Pancreas, carcinoma



IHC (Immunohistochemistry)
NR0B2 Antibody-Ovary, carcinoma

ADDITIONAL INFORMATION

Related Product Information for anti-NR0B2 antibody	NR0B2 antibody is an unconjugated rabbit polyclonal antibody to NR0B2 (C-Terminus) from human. Validated for IHC. SHP (short heterodimer partner) is a bile acid-dependent orphan NR0 Knirps-Like receptor with dimerization and ligand-binding domains but not the conventional DNA-binding domain. SHP has been shown to inhibit the transcriptional activity of other nuclear receptors, including thyroid hormone receptor, constitutive androstane receptor, and retinoic acid receptors. SHP affects hepatic cholesterol catabolism based on a two-step mechanism dependent on both coactivator competition and direct transcriptional repression by mediating the repression of CYP7A1, the rate-limiting enzyme for bile acid synthesis. Mutations in the SHP gene contribute to increased body weight, indicating a possible role of SHP in the development of early-onset diabetes (maturity-onset diabetes of the young, MODY). Loss of SHP in mice caused abnormal accumulation and increased synthesis of bile acids due to derepression of rate-limiting CYP7A1 and CYP8B1 hydroxylase enzymes in the biosynthetic pathway.
References	The UniProt Consortium. Nucleic Acids Res. 47: D506-515 (2019); Nucleic Acids Res. 2016 Jan 4;44(D1):D733-45, PMID:26553804

NCBI AND UNIPROT INFORMATION

NCBI GI #	13259503
NCBI GeneID	8431
NCBI Accession #	NP_068804.1
NCBI GenBank Nucleotide #	NM_021969
UniProt Accession #	Q15466; Q5QP36; F1D8P5
Molecular Weight	28,058 Da
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; nuclear receptor SHP; small heterodimer partner; orphan nuclear receptor SHP
UniProt Protein Name	Nuclear receptor subfamily 0 group B member 2
UniProt Gene Name	NR0B2
UniProt Synonym Gene Names	SHP
UniProt Entry Name	NR0B2_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://www.aaabiotech.com/polyclonal/nr0b2-antibody-immunohistochemistry-immunohistochemistry-elisa/162462>