

Datasheet for ABIN2782296

anti-NR0B2 antibody (Middle Region)



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2 Images

Overview

Quantity:	100 µL
Target:	NR0B2
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Rabbit, Dog, Horse, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NR0B2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human NR0B2
Sequence:	AEAPVPSILK KILLEEPSSS GGSGQLPDRP QPSLAHVQWL QCCLESFWSL
Predicted Reactivity:	Dog: 100%, Guinea Pig: 86%, Horse: 92%, Human: 100%, Rabbit: 100%, Rat: 79%
Characteristics:	This is a rabbit polyclonal antibody against NR0B2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	NR0B2
Alternative Name:	NR0B2 (NR0B2 Products)

Target Details

Background: NR0B2 is an unusual orphan receptor that contains a putative ligand-binding domain but lacks a conventional DNA-binding domain. It 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. 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.

Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

Alias Symbols: SHP, SHP1

Protein Interaction Partner: TP53, SMAD4, IL3RA, HNRNPA1, FN1, PEF1, RBP5, ZMYND10, CHRD, ZAP70, RXRA, PLSCR1, Nr1i3, EID1, NR5A2, ESRRG, MDM2, RNF31, UBC, HDAC3, HDAC1, GPS2, SIN3A, EHMT2, TRAF6, SMARCA2, SNW1, VDR, RARG, PPARD, HNF4G, HNF4A, ESRRR, RUNX2, Prmt5, SIRT6, SIRT7, SIRT1

Protein Size: 257

Molecular Weight:	28 kDa
Gene ID:	8431
NCBI Accession:	NM_021969 , NP_068804
UniProt:	Q15466
Pathways:	Nuclear Receptor Transcription Pathway , Positive Regulation of Peptide Hormone Secretion , Intracellular Steroid Hormone Receptor Signaling Pathway , Steroid Hormone Mediated Signaling Pathway

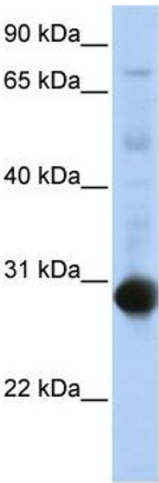
Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 257 AA
Restrictions:	For Research Use only

Handling

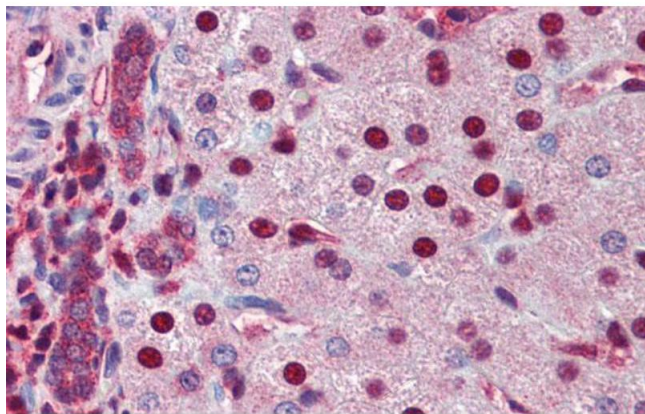
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-NR0B2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Transfected 293T



Immunohistochemistry

Image 2. Immunohistochemistry with Human Liver cell lysate tissue at an antibody concentration of 5.0ug/ml using anti-NR0B2 antibody