

Rabbit NR0B1 Polyclonal Antibody | anti-NR0B1 antibody

NR0B1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31125	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, ELISA

PRODUCT SYNONYMS

NR0B1; Polyclonal Antibody; NR0B1 Antibody; AHC; AHCH; AHX; DAX 1; DAX1; Dosage sensitive sex reversal; DSS; DSS AHC critical region on the X chromosome protein 1; DSS-AHC critical region on the X chromosome protein 1; GTD; HHG; Nr0b1; NR0B1_HUMAN; NROB1; Nuclear hormone receptor; Nuclear receptor 0B1; Nuclear receptor DAX 1; Nuclear receptor DAX-1; Nuclear receptor DAX1; Nuclear receptor subfamily 0 group B member 1; SRXY2; anti-NR0B1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	NR0B1 antibody detects endogenous levels of total NR0B1
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	470
Applicable Applications for anti-NR0B1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 IF/ICC: 1:100-1:500 ELISA(peptide): 1:20000-1:40000
Immunogen	A synthesized peptide derived from human NR0B1, corresponding to a region within the internal amino acids.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

Immunofluorescence (IF) 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(AAA31125) 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)

Immunohistochemistry (IHC) AAA31125 at 1/100 staining Rat brain 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 primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



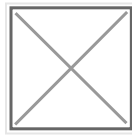
WB (Western Blot)

Western blot analysis of extracts from rat liver, using NR0B1 Antibody.



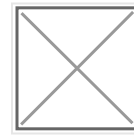
IF (Immunofluorescence)

AAA31125 staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



IHC (Immunohistochemistry)

AAA31125 at 1/100 staining Mouse brain 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 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of extracts of NR0B1 protein, using NR0B1 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-NR0B1 antibody

Description: This gene encodes a protein that contains a DNA-binding domain. The encoded protein acts as a dominant-negative regulator of transcription which is mediated by the retinoic acid receptor. This protein also functions as an anti-testis gene by acting antagonistically to Sry. Mutations in this gene result in both X-linked congenital adrenal hypoplasia and hypogonadotropic hypogonadism. [provided by RefSeq, Jul 2008]
Function: Orphan nuclear receptor. Component of a cascade required for the development of the hypothalamic-pituitary-adrenal-gonadal axis. Acts as a coregulatory protein that inhibits the transcriptional activity of other nuclear receptors through heterodimeric interactions. May also have a role in the development of the embryo and in the maintenance of embryonic stem cell pluripotency (By similarity).
Subunit Structure: Homodimer. Interacts with NR5A1, NR5A2, NR0B2 and with COPS2. Interacts with ESRRB; represses ESRRB activity at the GATA6 promoter (By similarity).
Similarity: Homodimerization involved an interaction between amino and carboxy termini involving LXXLL motifs and steroid binding domain (AF-2 motif). Heterodimerizes with NR5A1 and NROB2 through its N-terminal LXXLL motifs. Belongs to the nuclear hormone receptor family. NR0 subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5016090
NCBI GeneID	190
NCBI Accession #	NP_000466.2
NCBI GenBank Nucleotide #	NM_000475.4
UniProt Accession #	P51843; Q96F69
NCBI Official Full Name	nuclear receptor subfamily 0 group B member 1
NCBI Official Synonym Full Names	nuclear receptor subfamily 0 group B member 1
NCBI Official Symbol	NR0B1
NCBI Official Synonym Symbols	AHC; AHX; DSS; GTD; HHG; AHCH; DAX1; DAX-1; NROB1; SRXY2
NCBI Protein Information	nuclear receptor subfamily 0 group B member 1
UniProt Protein Name	Nuclear receptor subfamily 0 group B member 1
UniProt Gene Name	NR0B1
UniProt Synonym Gene Names	AHC; DAX1

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://stage.aaabiotech.com/polyclonal/nr0b1-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/31125>