NR0B1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NR0B1, Polyclonal Antibody
Full Product Name	NR0B1, ID (NR0B1, AHC, DAX1, Nuclear receptor subfamily 0 group B member 1, DSS-AHC critical region on the X chromosome protein 1, Nuclear receptor DAX-1) (MaxLight 750)
Product Gene Name	anti-NR0B1 antibody
Product Synonym Names	NR0B1; AHC; DAX1; Nuclear receptor subfamily 0 group B member 1; DSS-AHC critical region on the X chromosome protein 1; Nuclear receptor DAX-1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	51,718 Da
Chromosome Location	Chromosome: X; NC_000023.10 (30322539..30327495, complement). Location: Xp21.3
OMIM	phenotype 300473
3D Structure	ModBase 3D Structure for P51843
Immunogen	NR0B1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 303-333 amino acids from the Central region of human NR0B1.
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-NR0B1 antibody	Antibodies; Receptors
Applications Tested/Suitable for anti-NR0B1 antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-NR0B1 antibody	IHC: 1:10-50 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-NR0B1 antibody	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.

Product References and Citations for anti-NR0B1 antibody	Li, N., et al. J. Clin. Endocrinol. Metab. 95 (9), E104-E111 (2010): Nedumaran, B., et al. J. Biol. Chem. 285(12):9221-9232(2010). Kinsey, M., et al. Cancer Res. 69(23):9047-9055(2009). Nagl, F., et al. Am. J. Physiol., Cell Physiol. 297 (5), C1146-C1156 (2009): Skinningsrud, B., et al. J. Clin. Endocrinol. Metab. 94(10):4086-4093(2009).
Other Notes	Small volumes of anti-NR0B1 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 NR0B1 purchase	MBS6326466 is an antibody targeting NR0B1. Also known as NR0B1, ID (NR0B1, AHC, DAX1, Nuclear receptor subfamily 0 group B member 1, DSS-AHC critical region on the X chromosome protein 1, Nuclear receptor DAX-1) (MaxLight 750). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NR0B1. It may not necessarily be applicable to this product.

NCBI GI #	5016090
NCBI GeneID	190
NCBI Accession #	NP_000466.2
UniProt Primary Accession #	P51843
UniProt Secondary Accession #	Q96F69
UniProt Related Accession #	P51843
GenBank Nucleotide #	NM_000475.4
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
UniProt Protein Name	Nuclear receptor subfamily 0 group B member 1
UniProt Synonym Protein Names	DSS-AHC critical region on the X chromosome protein 1; Nuclear receptor DAX-1
Protein Family	Nuclear receptor subfamily
UniProt Gene Name	NR0B1
UniProt Synonym Gene Names	AHC; DAX1
UniProt Entry Name	NR0B1_HUMAN
NCBI Protein Information	nuclear receptor subfamily 0 group B member 1; nuclear receptor DAX1; nuclear receptor DAX-1; nuclear hormone receptor; DSS-AHC critical region on the X chromosome protein 1

UniProt Comments for NR0B1	NR0B1: 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. Homodimerizes with STF-1, NR5A2, NR0B2 and with COPS2. Shuttles between the cytoplasm and nucleus. Homodimers exits in the cytoplasm and in the nucleus. Homodimerization involved an interaction between amino and carboxy termini involving LXXLL motifs and steroid binding domain (AF-2 motif). Heterodimerizes with STF-1 and NROB2 through its N-terminal LXXLL motifs. Defects in NR0B1 are the cause of congenital X-linked adrenal hypoplasia. Two alternatively spliced human isoforms have been described. Protein type: Nuclear receptor Chromosomal Location of Human Ortholog: Xp21.3 Cellular Component: nucleoplasm; polysomal ribosome; membrane; cytoplasm; nucleus Molecular Function: protein domain specific binding; DNA hairpin binding; protein binding; ligand-dependent nuclear receptor activity; protein homodimerization activity; DNA binding; AF-2 domain binding; RNA binding; sequence-specific DNA binding; steroid hormone receptor activity; transcription corepressor activity; transcription factor binding; steroid hormone receptor binding Biological Process: transcription initiation from RNA polymerase II promoter; hypothalamus development; negative regulation of steroid hormone receptor signaling pathway; intracellular receptor-mediated signaling pathway; gonad development; adrenal gland development; negative regulation of transcription factor activity; male gonad development; Sertoli cell differentiation; negative regulation of transcription from RNA polymerase II promoter; negative regulation of cell differentiation; protein localization; Leydig cell differentiation; pituitary gland development; male sex determination; steroid hormone mediated signaling; spermatogenesis; gene expression; negative regulation of transcription, DNA-dependent; steroid biosynthetic process Disease: 46,xy Sex Reversal 2; Adrenal Hypoplasia, Congenital
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/nr0b1/6326466