

Goat Anti-DAX1 / NR0B1 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1302a

Specification

Goat Anti-DAX1 / NR0B1 Antibody - Product Information

Application	WB
Primary Accession	P51843
Other Accession	NP_000466 , 190
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5mg/ml
Isotype	IgG
Calculated MW	51718

Goat Anti-DAX1 / NR0B1 Antibody - Additional Information

Gene ID 190

Other Names

Nuclear receptor subfamily 0 group B member 1, DSS-AHC critical region on the X chromosome protein 1, Nuclear receptor DAX-1, NR0B1, AHC, DAX1

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-DAX1 / NR0B1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-DAX1 / NR0B1 Antibody - Protein Information

Name NR0B1

Synonyms AHC, DAX1

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).

Cellular Location

Nucleus. Cytoplasm. Note=Shuttles between the cytoplasm and nucleus. Homodimers exits in the cytoplasm and in the nucleus

Goat Anti-DAX1 / NR0B1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-DAX1 / NR0B1 Antibody - Images



AF1302a (0.5 µg/ml) staining of human testis lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-DAX1 / NR0B1 Antibody - Background

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.

Goat Anti-DAX1 / NR0B1 Antibody - References

Orphan nuclear receptor DAX-1 acts as a novel corepressor of liver X receptor alpha and inhibits hepatic lipogenesis. Nedumaran B, et al. J Biol Chem, 2010 Mar 19. PMID 20080977.
EWS/FLI and its downstream target NR0B1 interact directly to modulate transcription and oncogenesis in Ewing's sarcoma. Kinsey M, et al. Cancer Res, 2009 Dec 1. PMID 19920188.
X-linked congenital adrenal hypoplasia with hypogonadotropic hypogonadism caused by an inversion disrupting a conserved noncoding element upstream of the NR0B1 (DAX1) gene. Skinningsrud B, et al. J Clin Endocrinol Metab, 2009 Oct. PMID 19773398.
Retinoic acid-induced nNOS expression depends on a novel PI3K/Akt/DAX1 pathway in human

TGW-nu-I neuroblastoma cells. Nagl F, et al. Am J Physiol Cell Physiol, 2009 Nov. PMID 19726747.
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