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

Specification

Goat Anti-DAX1 / NR0B1 Antibody - Product Information

Application	**WB, E**
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

Dilution
WB~~1:1000
E~~N/A

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 {ECO:0000303|PubMed:26416531}

Function

Nuclear receptor that lacks a DNA-binding domain and acts as a corepressor that inhibits the transcriptional activity of other nuclear receptors through heterodimeric interactions (PubMed:12482977, PubMed:32433991). Component of a cascade required for the development of the hypothalamic-pituitary-adrenal-gonadal axis (PubMed:7990953, PubMed:8675564). 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 Cytomety
- 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.
A novel mutation in DAX1 (NR0B1) causing X-linked adrenal hypoplasia congenita: clinical, hormonal and genetic analysis. Garc□a-Malpartida K, et al. Endocrine, 2009 Oct. PMID 19672728.