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NR0B1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP13774c

Specification

NR0B1 Antibody (Center) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	P51843
Other Accession	NP_000466.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**51718**
Antigen Region	**304-333**

NR0B1 Antibody (Center) - 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

Target/Specificity
This NR0B1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 304-333 amino acids from the Central region of human NR0B1.

Dilution
WB~~1:1000
IHC-P~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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

Precautions
NR0B1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

NR0B1 Antibody (Center) - 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).

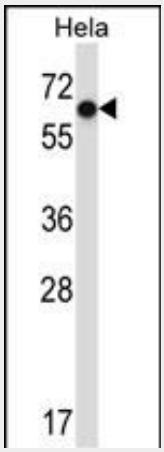
Cellular Location
Nucleus. Cytoplasm. Note=Shuttles between the cytoplasm and nucleus. Homodimers exits in the cytoplasm and in the nucleus

NR0B1 Antibody (Center) - Protocols

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

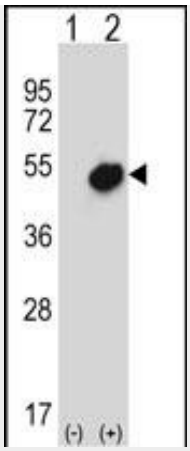
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NR0B1 Antibody (Center) - Images

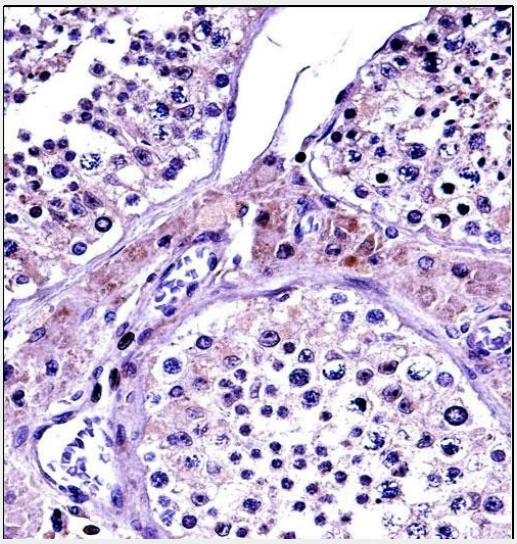


NR0B1 Antibody (Center) (Cat. #AP13774c) western blot analysis in Hela cell line lysates (35ug/lane).This demonstrates the NR0B1 antibody detected the NR0B1 protein (arrow).

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Western blot analysis of NR0B1 (arrow) using rabbit polyclonal NR0B1 Antibody (Center) (Cat. #AP13774c). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the NR0B1 gene.



NR0B1 Antibody (Center) (Cat. #AP13774c)immunohistochemistry analysis in formalin fixed and paraffin embedded human testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of NR0B1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

NR0B1 Antibody (Center) - 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.

NR0B1 Antibody (Center) - References

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)