

NR0B1 Antibody (monoclonal) (M03)**Mouse monoclonal antibody raised against a partial recombinant NR0B1.****Catalog # AT3091a****Specification**

NR0B1 Antibody (monoclonal) (M03) - Product Information

Application	WB, IF, E
Primary Accession	P51843
Other Accession	NM_000475
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG3 Kappa
Calculated MW	51718

NR0B1 Antibody (monoclonal) (M03) - 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

NR0B1 (NP_000466, 361 a.a. ~ 470 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

IF~~1:50~200

E~~N/A

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

NR0B1 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

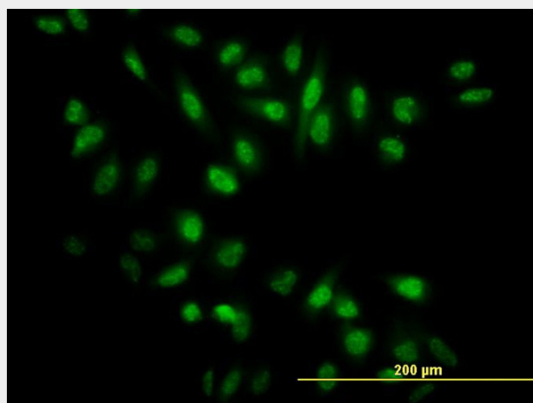
NR0B1 Antibody (monoclonal) (M03) - Protocols

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

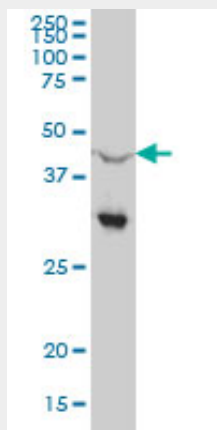
- [Western Blot](#)

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

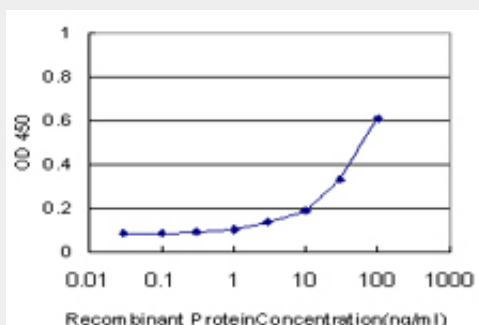
NR0B1 Antibody (monoclonal) (M03) - Images



Immunofluorescence of monoclonal antibody to NR0B1 on HeLa cell. [antibody concentration 10 ug/ml]



NR0B1 monoclonal antibody (M03), clone 1F10 Western Blot analysis of NR0B1 expression in HeLa S3 NE (Cat # L013V3).



Detection limit for recombinant GST tagged NR0B1 is approximately 3ng/ml as a capture antibody.

NR0B1 Antibody (monoclonal) (M03) - 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 (monoclonal) (M03) - 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. Garcia-Malpartida K, et al. Endocrine, 2009 Oct. PMID 19672728.