

NR0B1 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a partial recombinant NR0B1.

Catalog # AT3091a

Specification

NR0B1 Antibody (monoclonal) (M03) - Product Information

| | |
|-------------------|---------------------------|
| Application | IF, WB, 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

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.

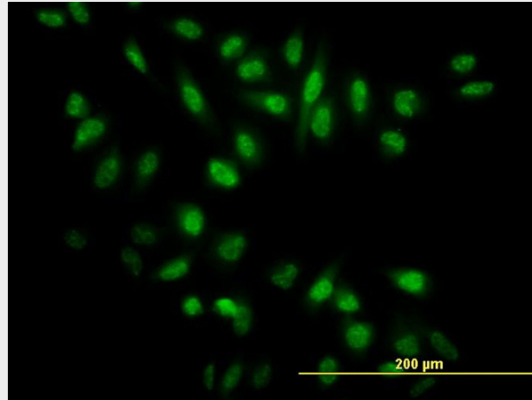
NR0B1 Antibody (monoclonal) (M03) - Protocols

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

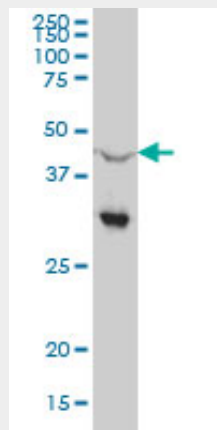
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

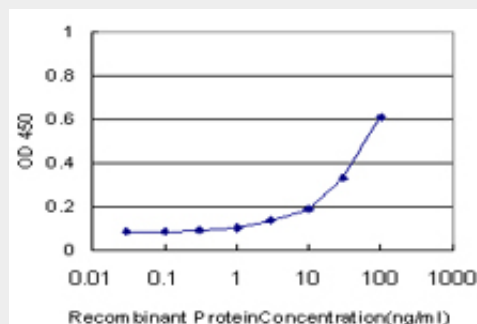
NR0B1 Antibody (monoclonal) (M03) - Images



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-1 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.