

## NR1D2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant NR1D2.

Catalog # AT3095a

### Specification

---

#### NR1D2 Antibody (monoclonal) (M01) - Product Information

|                   |                          |
|-------------------|--------------------------|
| Application       | IF, WB, E                |
| Primary Accession | <a href="#">Q14995</a>   |
| Other Accession   | <a href="#">BC045613</a> |
| Reactivity        | Human                    |
| Host              | mouse                    |
| Clonality         | Monoclonal               |
| Isotype           | IgG1 kappa               |
| Calculated MW     | 64643                    |

#### NR1D2 Antibody (monoclonal) (M01) - Additional Information

Gene ID 9975

##### Other Names

Nuclear receptor subfamily 1 group D member 2, Orphan nuclear hormone receptor BD73, Rev-erb alpha-related receptor, RVR, Rev-erb-beta, V-erbA-related protein 1-related, EAR-1R, NR1D2

##### Target/Specificity

NR1D2 (AAH45613, 1 a.a. ~ 579 a.a) full-length 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

NR1D2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

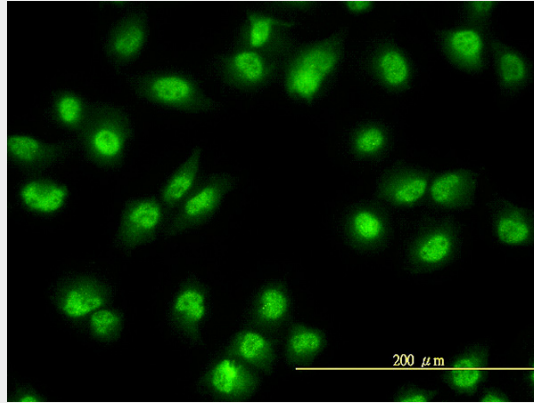
#### NR1D2 Antibody (monoclonal) (M01) - Protocols

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

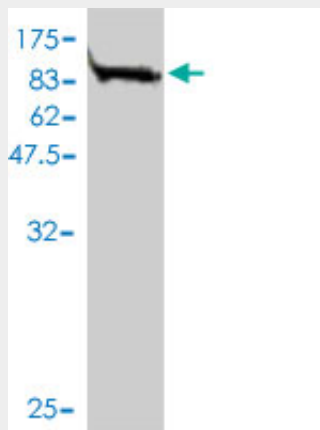
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

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

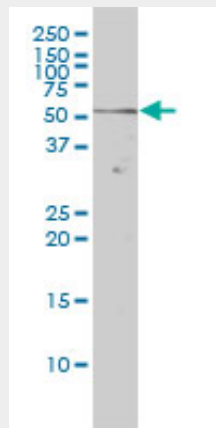
### NR1D2 Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to NR1D2 on HeLa cell. [antibody concentration 10 ug/ml]

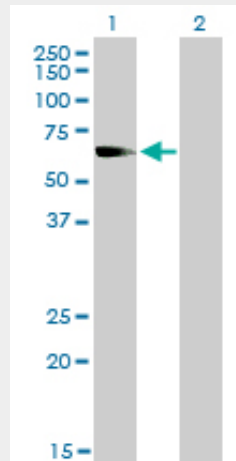


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (89.21 KDa) .



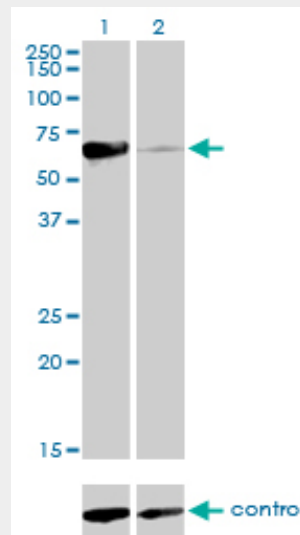
NR1D2 monoclonal antibody (M01), clone 1G2 Western Blot analysis of NR1D2 expression in HeLa

( (Cat # AT3095a )



Western Blot analysis of NR1D2 expression in transfected 293T cell line by NR1D2 monoclonal antibody (M01), clone 1G2.

Lane 1: NR1D2 transfected lysate(64.7 KDa).  
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged NR1D2 is approximately 0.03ng/ml as a capture antibody.

### **NR1D2 Antibody (monoclonal) (M01) - Background**

This gene encodes a member of the nuclear hormone receptor family, specifically the NR1 subfamily of receptors. The encoded protein functions as a transcriptional repressor and may play a role in circadian rhythms and carbohydrate and lipid metabolism. Alternatively spliced transcript variants have been described.

### **NR1D2 Antibody (monoclonal) (M01) - References**

Nuclear receptor rev-erb- $\alpha$  circadian gene variants and lithium carbonate prophylaxis in bipolar affective disorder. Campos-de-Sousa S, et al. J Biol Rhythms, 2010 Apr. PMID 20348464. Redundant function of REV-ERB $\alpha$  and  $\beta$  and non-essential role for Bmal1 cycling in transcriptional regulation of intracellular circadian rhythms. Liu AC, et al. PLoS Genet, 2008 Feb

29. PMID 18454201. Nuclear hormone receptors for heme: REV-ERB $\alpha$  and REV-ERB $\beta$  are ligand-regulated components of the mammalian clock. Burris TP. Mol Endocrinol, 2008 Jul. PMID 18218725. Identification of heme as the ligand for the orphan nuclear receptors REV-ERB $\alpha$  and REV-ERB $\beta$ . Raghuram S, et al. Nat Struct Mol Biol, 2007 Dec. PMID 18037887. The orphan nuclear receptor Rev-erbbeta recruits Tip60 and HDAC1 to regulate apolipoprotein CIII promoter. Wang J, et al. Biochim Biophys Acta, 2008 Feb. PMID 17996965.