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NR4A3 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant NR4A3.
Catalog # AT3110a

Specification

NR4A3 Antibody (monoclonal) (M02) - Product Information

Application	**IF, WB, E**
Primary Accession	Q92570
Other Accession	NM_006981
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**68230**

NR4A3 Antibody (monoclonal) (M02) - Additional Information

Gene ID 8013

Other Names
Nuclear receptor subfamily 4 group A member 3, Mitogen-induced nuclear orphan receptor, Neuron-derived orphan receptor 1, Nuclear hormone receptor NOR-1, NR4A3, CHN, CSMF, MINOR, NOR1, TEC

Target/Specificity
NR4A3 (NP_008912, 414 a.a. ~ 521 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
NR4A3 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

NR4A3 Antibody (monoclonal) (M02) - Protocols

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

- Western Blot
- Blocking Peptides

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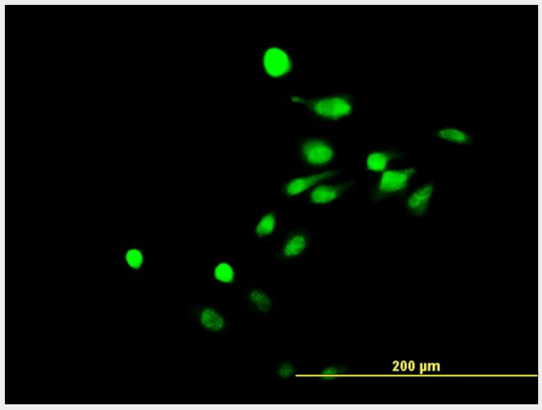
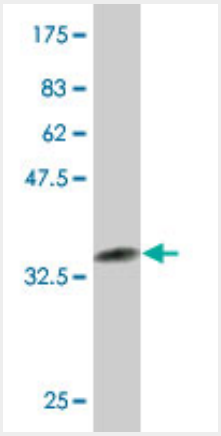
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

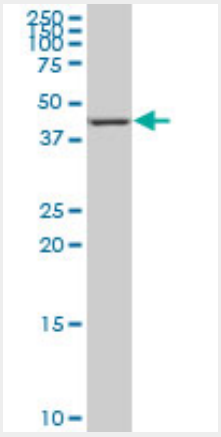
NR4A3 Antibody (monoclonal) (M02) - Images



Immunofluorescence of monoclonal antibody to NR4A3 on HeLa cell. [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.62 KDa) .



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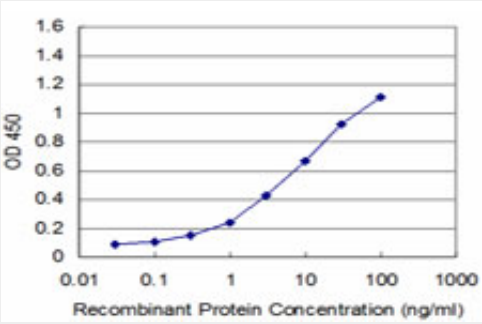
NR4A3 monoclonal antibody (M02), clone 1E9 Western Blot analysis of NR4A3 expression in Hela S3 NE ((Cat # AT3110a)



Detection limit for recombinant GST tagged NR4A3 is approximately 0.3ng/ml as a capture antibody.

NR4A3 Antibody (monoclonal) (M02) - Background

This gene encodes a member of the steroid-thyroid hormone-retinoid receptor superfamily. The encoded protein may act as a transcriptional activator. The protein can efficiently bind the NGFI-B Response Element (NBRE). Three different versions of extraskeletal myxoid chondrosarcomas (EMCs) are the result of reciprocal translocations between this gene and other genes. The translocation breakpoints are associated with Nuclear Receptor Subfamily 4, Group A, Member 3 (on chromosome 9) and either Ewing Sarcome Breakpoint Region 1 (on chromosome 22), RNA Polymerase II, TATA Box-Binding Protein-Associated Factor, 68-KD (on chromosome 17), or Transcription factor 12 (on chromosome 15). Multiple transcript variants encoding different isoforms have been found for this gene.

NR4A3 Antibody (monoclonal) (M02) - References

Replicated association of the NR4A3 gene with smoking behavior in schizophrenia and in bipolar disorder. Novak G, et al. Genes Brain Behav, 2010 Jul 24. PMID 20659174.Deficiency of the NR4A orphan nuclear receptor NOR1 decreases monocyte adhesion and atherosclerosis. Zhao Y, et al. Circ Res, 2010 Aug 20. PMID 20558821.Fluorescence in situ hybridization analysis of extraskeletal myxoid chondrosarcomas using EWSR1 and NR4A3 probes. Noguchi H, et al. Hum Pathol, 2010 Mar. PMID 19775727.Preparation of polyclonal antibody specific for NOR1 and detection of its expression pattern in human tissues and nasopharyngeal carcinoma. Xiang B, et al. Acta Biochim Biophys Sin (Shanghai), 2009 Sep. PMID 19727524.The hypoxia-inducible factor 1/NOR-1 axis regulates the survival response of endothelial cells to hypoxia. Martorell L, et al. Mol Cell Biol, 2009 Nov. PMID 19720740.

NR4A3 Antibody (monoclonal) (M02) - Citations

- AP2-NR4A3 transgenic mice display reduced serum epinephrine because of increased catecholamine catabolism in adipose tissue.
- DNA-dependent protein kinase (DNA-PK) permits vascular smooth muscle cell proliferation through phosphorylation of the orphan nuclear receptor NOR1.