

For Research Use Only

# NR4A3 Polyclonal antibody, PBS Only

Catalog Number: 55405-1-PBS



## Basic Information

Catalog Number:

55405-1-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_006981

GeneID (NCBI):

8013

UNIPROT ID:

Q92570

Full Name:

nuclear receptor subfamily 4, group A, member 3

Calculated MW:

70 kDa

Observed MW:

68 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse

## Background Information

Nuclear receptor 4A3 (NR4A3, also known as NOR-1), NR4A1 and NR4A2 are TFs belonging to NR4A orphan nuclear receptor subfamily. The role of all three NR4A members in regulating gene expression involved in cell proliferation, differentiation, apoptosis, inflammation and metabolism in cardiovascular diseases has been widely studied. In osteoblasts, NR4A receptor has been proved to regulate the expression and differentiation of osteoblast genes. It is reported that NR4A receptor is highly expressed in human coronary atherosclerotic lesions, and NR4A3 deficiency can reduce the proliferation and migration of VSMCs and the formation of neointima after vascular injury. Therefore, NR4A3 may play an important role in mediating phenotypic transformation of VSMC (PMID: 38629274). It is expected to be located in nucleus. The protein has three isoforms, isoform alpha is highly expressed in skeletal muscle. Isoform beta is highly expressed in skeletal muscle and low expressed in fetal brain and placenta. The calculated molecular weight of NR4A3 is 68 kDa.

## Storage

Storage:

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

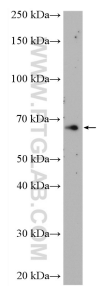
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

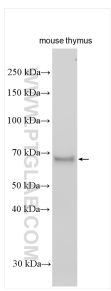
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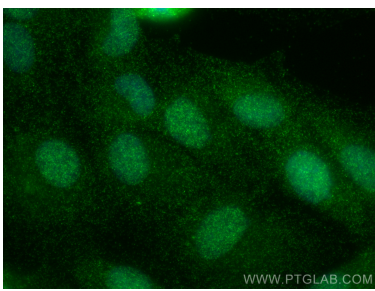
## Selected Validation Data



mouse spleen tissue were subjected to SDS PAGE followed by western blot with 55405-1-AP (NR4A3 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 55405-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 55405-1-AP (NR4A3 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 55405-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed ROS1728 cells using NR4A3 antibody (55405-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 55405-1-PBS in a different storage buffer formulation.