

For Research Use Only

# NR4A3 Polyclonal antibody

Catalog Number: 55405-1-AP **2 Publications**



## Basic Information

<b>Catalog Number:</b> 55405-1-AP	<b>GenBank Accession Number:</b> NM_006981	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 600 ug/ml	<b>GeneID (NCBI):</b> 8013	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q92570	
<b>Isotype:</b> IgG	<b>Full Name:</b> nuclear receptor subfamily 4, group A, member 3	
	<b>Calculated MW:</b> 70 kDa	
	<b>Observed MW:</b> 68 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : mouse thymus tissue, mouse spleen tissue
<b>Cited Applications:</b> WB, IHC	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> human, rat	

## 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Si-Kuan Zheng	38943627	Aging (Albany NY)	WB,IHC
Peter N Ellsworth	38392328	Biology (Basel)	WB

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

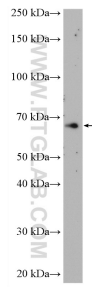
T: 4006900926

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

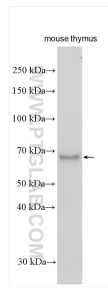
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## Selected Validation Data



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.



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.