

For Research Use Only

# NCOA1/SRC-1 Polyclonal antibody, PBS Only

Catalog Number: 21952-1-PBS



## Basic Information

<b>Catalog Number:</b> 21952-1-PBS	<b>GenBank Accession Number:</b> BC111533	<b>Purification Method:</b> Antigen Affinity purified
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 8648	
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> Q15788	
<b>Immunogen Catalog Number:</b> AG16603	<b>Full Name:</b> nuclear receptor coactivator 1	
	<b>Calculated MW:</b> 1441 aa, 157 kDa	
	<b>Observed MW:</b> 140-160 kDa	

## Applications

**Tested Applications:**  
WB, IHC, Indirect ELISA

**Species Specificity:**  
human, mouse

## Background Information

Nuclear receptor coactivator 1, also named SRC-1, directly binds nuclear receptors and stimulates transcriptional activities in a hormone-dependent fashion. Involved in the coactivation of different nuclear receptors, such as for steroids (PGR, GR, and ER), retinoids (RXRs), thyroid hormone (TRs), and prostanoids (PPARs). Also involved in coactivation mediated by STAT3, STAT5A, STAT5B, and STAT6 transcription factors. Displays histone acetyltransferase activity toward H3 and H4; the relevance of such activity remains however unclear. Plays a central role in creating multisubunit coactivator complexes that act via the remodeling of chromatin, and possibly act by participating in both chromatin remodeling and recruitment of general transcription factors. Required with NCOA2 to control energy balance between white and brown adipose tissues. Required for mediating steroid hormone response. Isoform 2 has a higher thyroid hormone-dependent transactivation activity than isoform 1 and isoform 3.

## 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, pH7.3

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

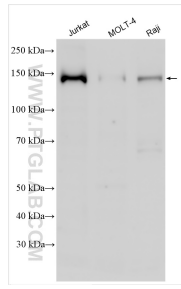
T: 4006900926

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

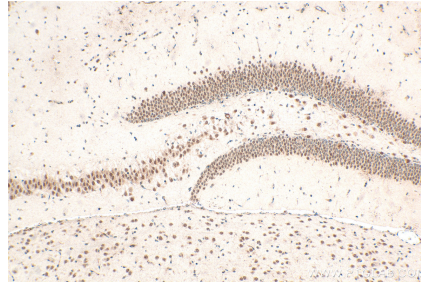
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 21952-1-AP (NCOA1/SRC-1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 21952-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 21952-1-AP (NCOA1/SRC-1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 21952-1-PBS in a different storage buffer formulation.