

For Research Use Only

# NCOA1/SRC-1 Polyclonal antibody

Catalog Number: 21952-1-AP



## Basic Information

<b>Catalog Number:</b> 21952-1-AP	<b>GenBank Accession Number:</b> BC111533	<b>Purification Method:</b> Antigen Affinity purified
<b>Size:</b> 150ul , Concentration: 800 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 8648	<b>Recommended Dilutions:</b> WB 1:2000-1:12000
<b>Source:</b> Rabbit	<b>Full Name:</b> nuclear receptor coactivator 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 1441 aa, 157 kDa	
<b>Immunogen Catalog Number:</b> AG16603	<b>Observed MW:</b> 140-160 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : Jurkat cells, Raji cells
<b>Species Specificity:</b> human	

## 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

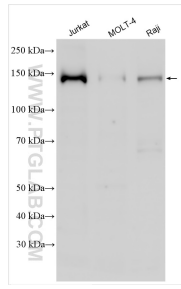
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.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.