

For Research Use Only

# NCOA5 Polyclonal antibody

Catalog Number: 20175-1-AP

Featured Product

2 Publications



## Basic Information

### Catalog Number:

20175-1-AP

### Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 307 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG14014

### GenBank Accession Number:

BC056872

### GeneID (NCBI):

57727

### UNIPROT ID:

Q9HCD5

### Full Name:

nuclear receptor coactivator 5

### Calculated MW:

579 aa, 66 kDa

### Observed MW:

66 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:200-1:800

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, FC (Intra), IP, ELISA

### Cited Applications:

WB, IF, ChIP

### Species Specificity:

human, mouse, rat

### Cited Species:

mouse, bovine

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : HEK-293 cells, HeLa cells

IP : HEK-293 cells,

IHC : human stomach tissue,

IF/ICC : A431 cells,

## Background Information

Nuclear receptor coactivator 5 (NCOA5), also known as coactivator independent of AF-2 (CIA), possesses both repressor and activator functions (PMID: 11113208). It can interact with Estrogen Receptor (ER) alpha and ER beta in a ligand-dependent manner. NCOA5 has been shown to regulate the ER alpha-mediated transcription as well as the expression of the c-Myc gene (PMID: 11113208; 15073177). Recently identified as a conserved component of pluripotent stem cells, mammalian NCOA5 may contribute to the maintenance of the pluripotent stem cell population (PMID: 24268775).

## Notable Publications

Author	Pubmed ID	Journal	Application
Xiaohan Yuan	32736675	Biochem Biophys Res Commun	WB, IF, ChIP
B?ser Alexander A	24268775	Cell Rep	IF

## 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

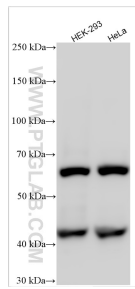
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

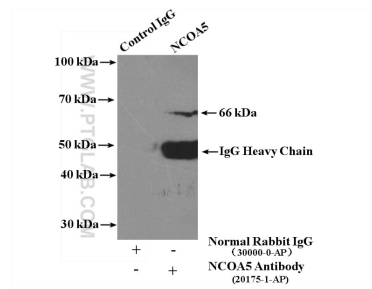
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

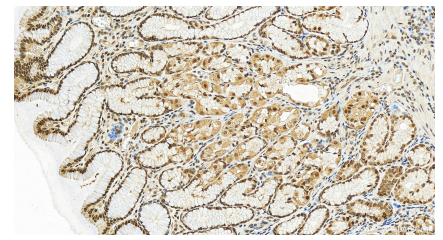
## Selected Validation Data



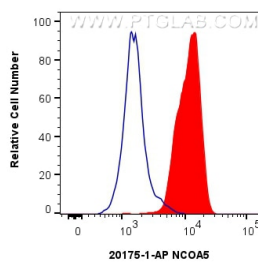
Various lysates were subjected to SDS PAGE followed by western blot with 20175-1-AP (NCOA5 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



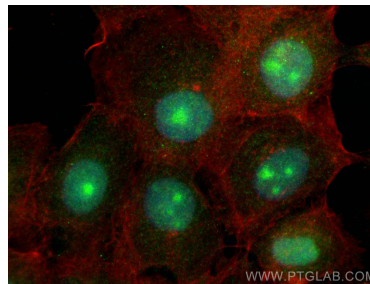
IP result of anti-NCOA5 (IP:20175-1-AP, 4ug; Detection:20175-1-AP 1:800) with HEK-293 cells lysate 3000ug.



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 20175-1-AP (NCOA5 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



$1 \times 10^6$  HEK-293 cells were intracellularly stained with 0.25 ug NCOA5 Polyclonal antibody (20175-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-O-AP) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF000011).



Immunofluorescent analysis of (4% PFA) fixed A431 cells using NCOA5 antibody (20175-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-phalloidin (red).