

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 µg/ml by Nanodrop and 307 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14014

GenBank Accession Number:

BC056872

GeneID (NCBI):

57727

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 µg for IP and 1:500-1:1000 for WB

IF 1:10-1:100

Applications

Tested Applications:

FC, IF, IP, WB, ELISA

Cited Applications:

ChIP, IF, WB

Species Specificity:

human, mouse, rat

Cited Species:

mouse, bovine

Positive Controls:

WB : HEK-293 cells, HeLa cells

IP : HEK-293 cells,

IF : HeLa 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

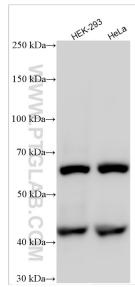
For technical support and original validation data for this product please contact:

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

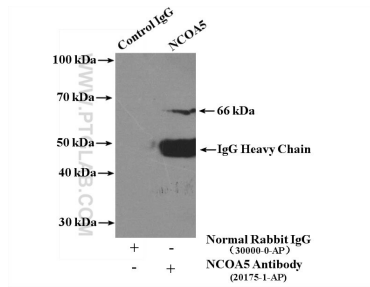
E: proteintech@ptglab.com
W: ptglab.com

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

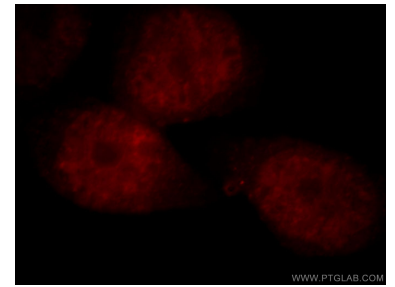
Selected Validation Data



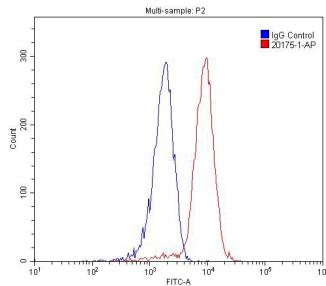
Various lysates were subjected to SDS PAGE followed by western blot with 20175-1-AP (NCOA5 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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



Immunofluorescent analysis of HeLa cells, using NCOA5 antibody 20175-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



1X10⁶ HEK-293 cells were stained with 0.2ug NCOA5 antibody (20175-1-AP, red) and control antibody (blue). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500. Cells were fixed with 4% PFA and permeabilized with 0.1% Triton X-100.