

For Research Use Only

# NUDCD2 Polyclonal antibody

Catalog Number: 21205-1-AP

Featured Product

1 Publications



## Basic Information

<b>Catalog Number:</b> 21205-1-AP	<b>GenBank Accession Number:</b> BC017934	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 450 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 134492	<b>Recommended Dilutions:</b> WB 1:2000-1:12000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8WVJ2	IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
<b>Isotype:</b> IgG	<b>Full Name:</b> NudC domain containing 2	IHC 1:200-1:800
<b>Immunogen Catalog Number:</b> AG15579	<b>Calculated MW:</b> 157 aa, 18 kDa	IF/ICC 1:200-1:800
	<b>Observed MW:</b> 18 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, IP, ELISA

**Cited Applications:**  
WB

**Species Specificity:**  
human, mouse, rat

**Cited Species:**  
mouse

**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:** HepG2 cells, HEK-293 cells, human brain tissue, human kidney tissue, mouse brain tissue, rat brain tissue

**IP:** HepG2 cells,

**IHC:** human kidney tissue, human breast cancer tissue

**IF/ICC:** HepG2 cells, HeLa cells

## Background Information

NUDCD2, also known as NudCL2, is an HSP90 cochaperone that regulates sister chromatid cohesion during mitosis. NUDCD2 also plays a role in ciliogenesis (PMID: 30368549, 34480124). NUDCD2 regulates the LIS1/dynein pathway by stabilizing LIS1 with Hsp90 chaperone (PMID: 20133715).

## Notable Publications

Author	Pubmed ID	Journal	Application
Wanzhi Cai	39172275	Cell Mol Life Sci	WB

## Storage

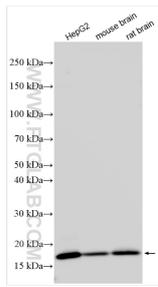
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

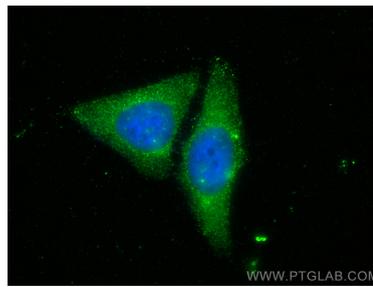
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

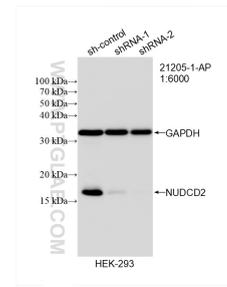
## Selected Validation Data



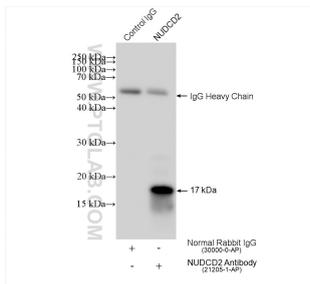
Various lysates were subjected to SDS PAGE followed by western blot with 21205-1-AP (NUDCD2 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



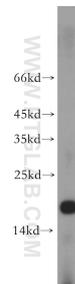
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using NUDCD2 antibody (21205-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



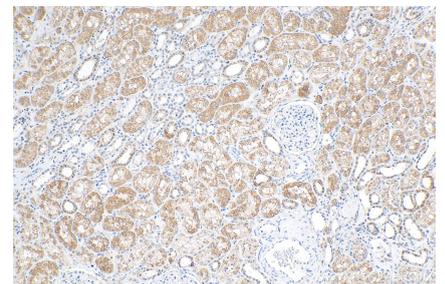
WB result of NUDCD2 antibody (21205-1-AP; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-NUDCD2 transfected HEK-293 cells.



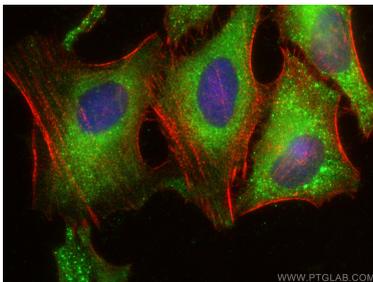
IP result of anti-NUDCD2 (IP:21205-1-AP, 4ug; Detection:21205-1-AP 1:500) with HepG2 cells lysate 1080 ug.



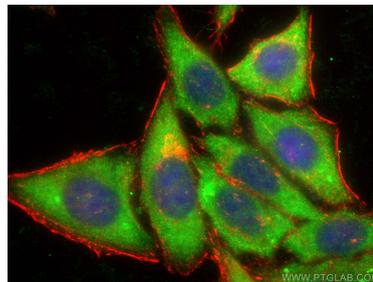
human brain tissue were subjected to SDS PAGE followed by western blot with 21205-1-AP (NUDCD2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 21205-1-AP (NUDCD2 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using NUDCD2 antibody (21205-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using NUDCD2 antibody (21205-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).