

For Research Use Only

NUDC Polyclonal antibody

Catalog Number: 10681-1-AP

Featured Product

5 Publications



Basic Information

Catalog Number: 10681-1-AP	GenBank Accession Number: BC006147	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 750 µg/ml by Nanodrop and 380 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10726	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
Source: Rabbit	Full Name: nuclear distribution gene C homolog (A. nidulans)	IHC 1:20-1:200 IF 1:10-1:100
Isotype: IgG	Calculated MW: 38 kDa	
Immunogen Catalog Number: AG0998	Observed MW: 42-45 kDa	

Applications

Tested Applications: IF, IHC, IP, WB, ELISA	Positive Controls:
Cited Applications: IF, IHC, WB	WB : HepG2 cells, HEK-293 cells, HeLa cells, K-562 cells, SH-SY5Y cells
Species Specificity: human	IP : HEK-293 cells,
Cited Species: human, mouse	IHC : human pancreas cancer tissue, IF : HeLa cells, HEK-293 cells, HepG2 cells

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

Background Information

Nuclear distribution protein C (NudC) is a highly conserved dynein/dynactin associated protein implicated in mitosis and cytokinesis. NudC is localized on major mitotic structures, and is involved in regulating spindle formation stability of kinetochore microtubule attachments, and chromosomes congression in early mitosis. NudC also is required for multi-protein transport along axons in neurons.

Notable Publications

Author	Pubmed ID	Journal	Application
Senyang Cao	32920902	Reprod Domest Anim	WB, IHC
Tai Young Kim	25332235	Mol Cell Biol	WB
Min Liu	34262899	Front Cell Dev Biol	WB

Storage

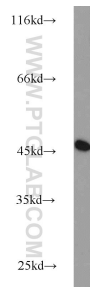
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

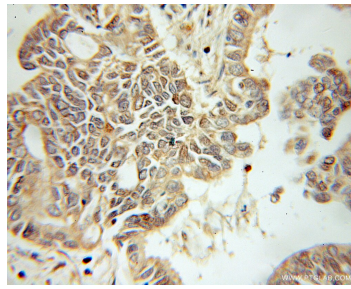
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

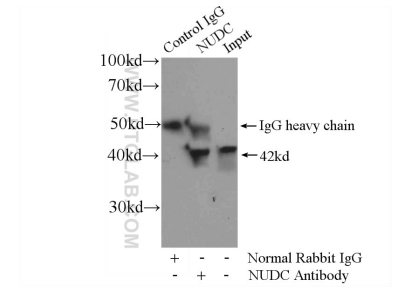
Selected Validation Data



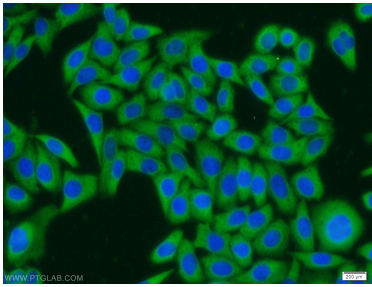
HepG2 cells were subjected to SDS PAGE followed by western blot with 10681-1-AP (NUDC antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer using 10681-1-AP (NUDC antibody) at dilution of 1:50 (under 10x lens).



IP Result of anti-NUDC (IP:10681-1-AP, 4ug; Detection:10681-1-AP 1:1000) with HEK-293 cells lysate 2800ug.



Immunofluorescent analysis of HeLa cells using 10681-1-AP (NUDC antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).