

For Research Use Only

NUFIP1 Polyclonal antibody

Catalog Number: 12515-1-AP

Featured Product

11 Publications



Basic Information

Catalog Number: 12515-1-AP	GenBank Accession Number: BC017745	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 800 µg/ml by Nanodrop;	GeneID (NCBI): 26747	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: nuclear fragile X mental retardation protein interacting protein 1	IHC 1:300-1:1200 IF 1:50-1:500
Isotype: IgG	Calculated MW: 56 kDa	
Immunogen Catalog Number: AG3197	Observed MW: 70-75 kDa	

Applications

Tested Applications: IF, IHC, IP, WB, ELISA	Positive Controls: WB : HeLa cells, A375 cells
Cited Applications: IF, WB	IP : HeLa cells,
Species Specificity: human	IHC : human ovary tumor tissue,
Cited Species: human, mouse	IF : HeLa 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

Fragile X syndrome, the most common cause of inherited mental retardation, is caused by the absence of FMRP (Fragile X Mental Retardation Protein). FMRP is an RNA binding protein reported to be involved in translational control, notably at postsynaptic sites of protein synthesis as a part of a multiprotein/mRNA complex[PMID:12941608]. NUFIP1 is one of the several FMRP-interacting proteins. NUFIP can act as a pol II-specific basal transcriptional activator in vitro and when ectopically overexpressed in vivo. NUFIP can directly activate promoters by enhancing the ATP-dependent release of hyperphosphorylated form of pol II from open transcription complexes[PMID:15107825].

Notable Publications

Author	Pubmed ID	Journal	Application
Myoung Sup Shim	31476975	Autophagy	WB,IF
Pedro Fuentes	34818049	Sci Adv	WB
Jonathan Bizarro	25404746	J Cell Biol	WB

Storage

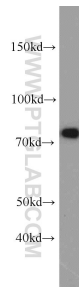
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

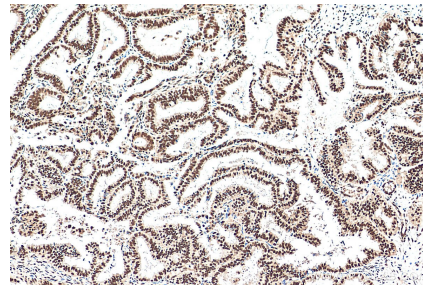
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

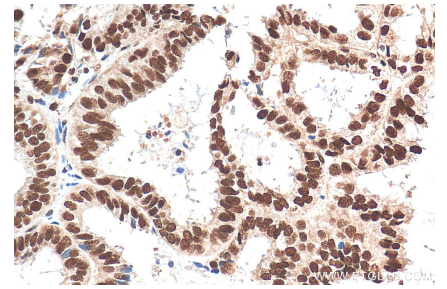
Selected Validation Data



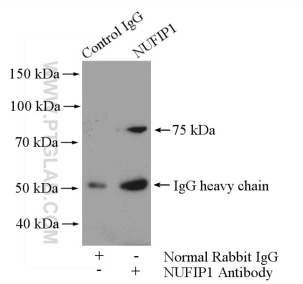
HeLa cells were subjected to SDS PAGE followed by western blot with 12515-1-AP (NUFIP1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



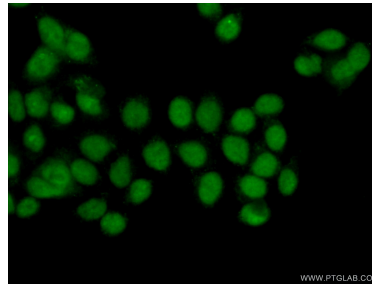
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 12515-1-AP (NUFIP1 antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 12515-1-AP (NUFIP1 antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-NUFIP1 (IP:12515-1-AP, 4ug; Detection:12515-1-AP 1:800) with HeLa cells lysate 1200ug.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 12515-1-AP (NUFIP1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).