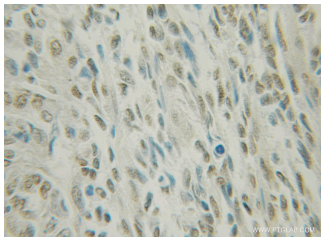
USA: proteintech@ptglab.com

Europe: europe@ptglab.com

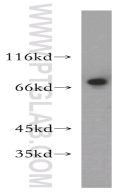
China: service@ptglab.com

NUFIP1 Polyclonal Antibody

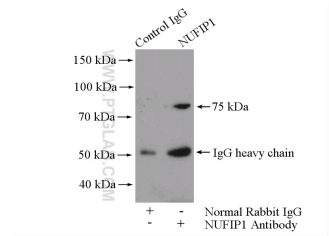
Catalog number: 12515-1-AP
Size: 84 µg/150 µl
Source: Rabbit
Isotype: IgG
Synonyms:
NUFIP1; bA540M5.1, NUFIP, NUFIP1



Immunohistochemical of paraffin-embedded human ovary tumor using 12515-1-AP(NUFIP1 antibody) at dilution of 1:50 (under 10x lens)



A375 cells were subjected to SDS PAGE followed by western blot with 12515-1-AP(NUFIP1 antibody) at dilution of 1:400



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

Background

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].

Applications

Tested applications:	**ELISA, WB, IHC, IP**
Cited applications:	**PLA (proximity ligation assay), WB**
Species specificity:	**Human,Mouse,Rat; other species not tested.**
Cited species:	**Human**
Caculated NUFIP1 MW:	**56 kDa**
Observed NUFIP1 MW:	**70-75 kDa**
Positive WB detected in	**A375 cells, HeLa cells**
Positive IP detected in	**HeLa cells**
Positive IHC detected in	**Human ovary tumor tissue**
Recommended dilution:	**WB: 1:500-1:5000**
	IP: 1:200-1:2000
	IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	**Ag3197**
GenBank accession number:	**BC017745**
Gene ID (NCBI):	**26747**
Full name:	**Nuclear fragile X mental retardation protein interacting protein 1**

Product information

Purification method:	**Antigen affinity purification**
Storage:	**PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.**