

For Research Use Only

NXF1 Polyclonal antibody

Catalog Number: 10328-1-AP

Featured Product

9 Publications



Basic Information

Catalog Number: 10328-1-AP	GenBank Accession Number: BC004904	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 500 µg/ml by Nanodrop;	GeneID (NCBI): 10482	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: nuclear RNA export factor 1	IF 1:20-1:200
Isotype: IgG	Calculated MW: 70 kDa	
Immunogen Catalog Number: AG0413	Observed MW: 66-70 kDa	

Applications

Tested Applications: IF, IP, WB, ELISA	Positive Controls:
Cited Applications: CoIP, IF, IP, WB	WB: HeLa cells, HEK-293T cells, K-562 cells, HepG2 cells
Species Specificity: human	IP: HeLa cells,
Cited Species: human, mouse, monkey	IF: HepG2 cells,

Background Information

Nuclear RNA export factor 1 (NXF1, synonyms: TAP, MEX67) is one member of a family of nuclear RNA export factors. Common domain features of this family are a noncanonical RNP-type RNA-binding domain (RBD), 4 leucine-rich repeats (LRRs), a nuclear transport factor 2 (NTF2)-like domain that allows heterodimerization with NTF2-related export protein-1 (NXT1), and a ubiquitin-associated domain that mediates interactions with nucleoporins. The LRRs and NTF2-like domains are required for export activity. This protein shuttles between the nucleus and the cytoplasm and binds in vivo to poly(A)+ RNA. It is the vertebrate homologue of the yeast protein Mex67p. NXF1 overcomes the mRNA export block caused by the presence of saturating amounts of CTE (constitutive transport element) RNA of type D retroviruses. There are some phosphorylation modification sites center on the N-terminal of NXF1.

Notable Publications

Author	Pubmed ID	Journal	Application
Ke Wang	30194269	J Cell Biol	
Miao Chen	34793452	PLoS Genet	WB
Norihiro Okada	34082065	Gene	WB

Storage

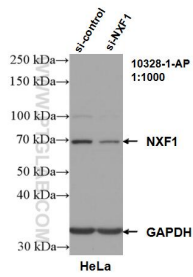
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

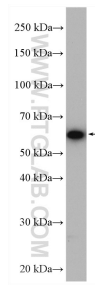
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

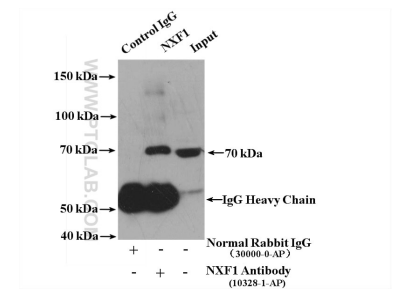
Selected Validation Data



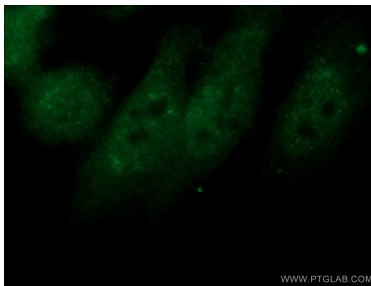
WB result of NXF1 antibody (10328-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-NXF1 transfected HeLa cells.



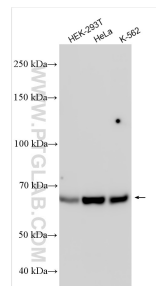
HeLa cells were subjected to SDS PAGE followed by western blot with 10328-1-AP (NXF1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP result of anti-NXF1 (IP:10328-1-AP, 4ug; Detection:10328-1-AP 1:500) with HeLa cells lysate 3000 ug.



Immunofluorescent analysis of HepG2 cells using 10328-1-AP (NXF1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 10328-1-AP (NXF1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.