

For Research Use Only

NXF1 Monoclonal antibody, PBS Only



Catalog Number: 67914-1-PBS

Basic Information

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|---|--|---|
| Catalog Number: 67914-1-PBS | GenBank Accession Number: BC004904 | Purification Method: Protein G purification |
| Size: 1 mg/ml | GeneID (NCBI): 10482 | CloneNo.: 2C2H1 |
| Source: Mouse | UNIPROT ID: Q9UBU9 | |
| Isotype: IgG1 | Full Name: nuclear RNA export factor 1 | |
| Immunogen Catalog Number: AG27329 | Calculated MW: 70 kDa | |
| | Observed MW: 67 kDa | |

Applications

Tested Applications:
WB, Indirect ELISA, IF

Species Specificity:
Human

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.

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

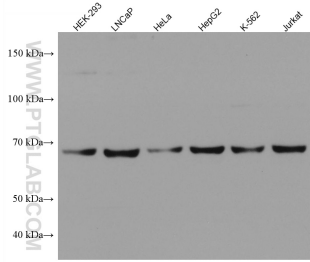
T: 4006900926

E: Proteintech-CN@ptglab.com

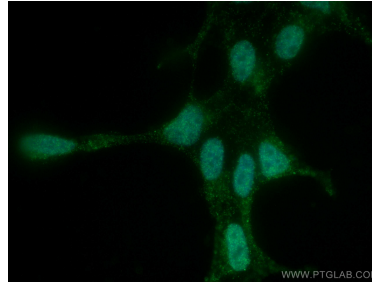
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67914-1-Ig (NXF1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67914-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using NXF1 antibody (67914-1-Ig, Clone: 2C2H1) at dilution of 1:2000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67914-1-PBS in a different storage buffer formulation.