

NXF1

Reactivity: Human Mouse Rat Hamster

Tested applications: WB IP

Recommended Dilution: WB 1:500 - 1:1000 IP 1:20 - 1:50

Calculated MW: 70kDa

Observed MW: Refer to Figures

Immunogen:

A synthetic peptide of human NXF1

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

j

Synonym:

TAP; MEX67;

Catalog #: A6040

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 10482

Isotype: IgG

Swiss Prot: Q9UBU9

Purity: Affinity purification

For research use only.

Background:

This gene is one member of a family of nuclear RNA export factor genes. 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. Alternative splicing seems to be a common mechanism in this gene family. The encoded protein of this gene 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. The encoded protein overcomes the mRNA export block caused by the presence of saturating amounts of CTE (constitutive transport element) RNA of type D retroviruses. Alternative splicing results in multiple transcript variants.

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