

NXF1 Polyclonal Antibody

Catalog number: 10328-1-AP

Size: 31 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

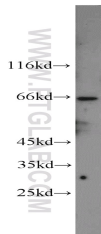
NXF1; DKFZp667O0311,

MEX67, mRNA export factor

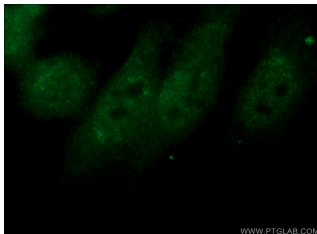
TAP, nuclear RNA export factor

1, NXF1, TAP, Tip associated

protein, Tip associating protein



HeLa cells were subjected to SDS PAGE followed by western blot with 10328-1-AP(NXF1 antibody) at dilution of 1:600



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)

Background

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.

Applications

Tested applications:	ELISA, WB, IF
Cited applications:	CoIP, FC, IF, IP, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human, monkey
Calculated NXF1 MW:	70 kDa
Observed NXF1 MW:	66-70 kDa
Positive WB detected in	HeLa cells, HEK-293 cells
Positive IF detected in	HepG2 cells
Recommended dilution:	WB: 1:200-1:2000 IF: 1:20-1:200

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

Immunogen information

Immunogen:	Ag0413
GenBank accession number:	BC004904
Gene ID (NCBI):	10482
Full name:	Nuclear RNA export factor 1

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.