

**NXF1 Antibody**  
Rabbit mAb  
Catalog # AP91997

## Specification

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### NXF1 Antibody - Product Information

Application	WB, IHC, ICC, IP
Primary Accession	<a href="#">O9UBU9</a>
Clonality	Monoclonal
<b>Other Names</b>	
DmNXF1; MEX67; Mex67p; Mvb1; NXF1; Sbr; TAP;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	70182 Da

### NXF1 Antibody - Additional Information

Purification	<b>Affinity-chromatography</b>
Immunogen	<b>A synthesized peptide derived from human NXF1</b>
Description	<b>Involved in the nuclear export of mRNA species bearing retroviral constitutive transport elements (CTE) and in the export of mRNA from the nucleus to the cytoplasm. The NXF1-NXT1 heterodimer is involved in the export of HSP70 mRNA in conjunction with THOC4 and THOC5.</b>
Storage Condition and Buffer	<b>Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.</b>

### NXF1 Antibody - Protein Information

**Name** NXF1

**Synonyms** TAP

#### Function

Involved in the nuclear export of mRNA species bearing retroviral constitutive transport elements (CTE) and in the export of mRNA from the nucleus to the cytoplasm (TAP/NXF1 pathway) (PubMed:<a href="http://www.uniprot.org/citations/10924507" target="\_blank">10924507</a>). The NXF1-NXT1 heterodimer is involved in the export of HSP70 mRNA in conjunction with ALYREF/THOC4 and THOC5 components of the TREX complex (PubMed:<a href="http://www.uniprot.org/citations/18364396" target="\_blank">18364396</a>, PubMed:<a href="http://www.uniprot.org/citations/19165146" target="\_blank">19165146</a>, PubMed:<a href="http://www.uniprot.org/citations/9660949" target="\_blank">9660949</a>).

ALYREF/THOC4-bound mRNA is thought to be transferred to the NXF1-NXT1 heterodimer for export (PubMed:<a href="http://www.uniprot.org/citations/18364396" target="\_blank">18364396</a>, PubMed:<a href="http://www.uniprot.org/citations/19165146" target="\_blank">19165146</a>, PubMed:<a href="http://www.uniprot.org/citations/9660949" target="\_blank">9660949</a>). Also involved in nuclear export of m6A-containing mRNAs: interaction between SRSF3 and YTHDC1 facilitates m6A-containing mRNA-binding to both SRSF3 and NXF1, promoting mRNA nuclear export (PubMed:<a href="http://www.uniprot.org/citations/28984244" target="\_blank">28984244</a>).

### Cellular Location

Nucleus. Nucleus, nucleoplasm Nucleus speckle. Nucleus, nuclear pore complex. Nucleus envelope. Cytoplasm. Cytoplasm, Stress granule. Note=Localized predominantly in the nucleoplasm and at both the nucleoplasmic and cytoplasmic faces of the nuclear pore complex. Shuttles between the nucleus and the cytoplasm. Travels to the cytoplasm as part of the exon junction complex (EJC) bound to mRNA. The association with the TREX complex seems to occur in regions surrounding nuclear speckles known as perispeckles (PubMed:23826332). Nucleus; nuclear rim (PubMed:25662211)

### Tissue Location

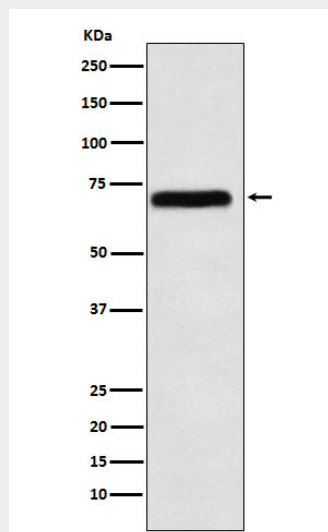
Expressed ubiquitously.

### NXF1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### NXF1 Antibody - Images



Western blot analysis of NXF1 expression in K562 cell lysate.