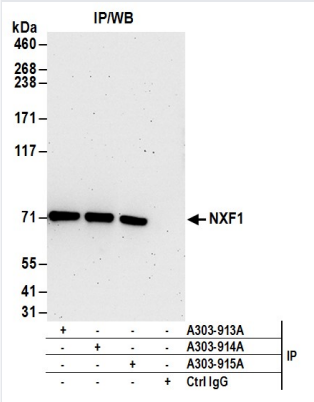
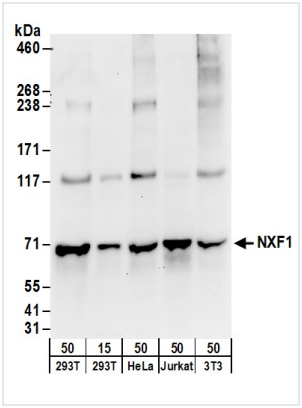
NXF1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NXF1, Polyclonal Antibody
Full Product Name	Rabbit anti-NXF1 Antibody, Affinity Purified
Product Gene Name	anti-NXF1 antibody
Product Synonym Names	tip associating protein; tip-associated protein; Tip-associating protein; nuclear RNA export factor 1; MEX67; mRNA export factor TAP; TAP; Nuclear RNA export factor 1; nuclear RNA export factor 1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Purity/Purification	Antigen Affinity Purified
Concentration	1000ug/ml (lot specific)
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt
Molecular Weight	40,476 Da
OMIM	602647
3D Structure	ModBase 3D Structure for Q9UBU9
Predicted Reactivity	Rat, Bovine, Orangutan
Immunogen	Between 569 and C-terminus
Conjugation	Unconjugated
Product Categories/Family for anti-NXF1 antibody	Primary Antibodies
Applications Tested/Suitable for anti-NXF1 antibody	Western Blot (WB), Immunoprecipitation (IP)
Application Notes for anti-NXF1 antibody	WB: 1:2000-1:10,000 IP: 6ug/mg lysate
Related Product Information for anti-NXF1 antibody	Nuclear RNA export factor 1 (NXF1) 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. NXF1 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 [taken from NCBI Entrez Gene (Gene ID: 10482)].
Other Notes	Small volumes of anti-NXF1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for NXF1 purchase	MBS3904156 is an antibody targeting NXF1. Also known as Rabbit anti-NXF1 Antibody, Affinity Purified. Reactive in Human, Mouse. Host: Rabbit.



Immunoprecipitation (IP) of anti-NXF1 antibody
Detection of human NXF1 by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg for IP; 20% of IP loaded) from HEK293T cells. Antibodies: Affinity purified rabbit anti-NXF1 antibody MBS3904156 (lot MBS3904156-1) used for IP at 6 ug/mg lysate. NXF1 was also immunoprecipitated by rabbit anti-NFX1 antibodies MBS3904154 and MBS3904155. For blotting immunoprecipitated NXF1, MBS3904156 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



Western Blot (WB) of anti-NXF1 antibody
Detection of human and mouse NXF1 by western blot. Samples: Whole cell lysate from HEK293T (15 and 50 ug), HeLa (50ug), Jurkat (50ug), and mouse NIH 3T3 (50ug) cells. Antibodies: Affinity purified rabbit anti-NXF1 antibody MBS3904156 (lot MBS3904156-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NXF1. It may not necessarily be applicable to this product.

NCBI GI #	15487670
NCBI GeneID	10482
NCBI Accession #	NP_006353.2
UniProt Primary Accession #	Q9UBU9
UniProt Secondary Accession #	Q99799; Q9UQL2; B4E269
UniProt Related Accession #	Q9UBU9
GenBank Nucleotide #	NM_006362.4
NCBI Official Full Name	nuclear RNA export factor 1 isoform 1
NCBI Official Synonym Full Names	nuclear RNA export factor 1
NCBI Official Symbol	NXF1
NCBI Official Synonym Symbols	TAP; MEX67
UniProt Protein Name	Nuclear RNA export factor 1
UniProt Synonym Protein Names	Tip-associated protein; Tip-associating protein; mRNA export factor TAP
Protein Family	Nuclear RNA export factor
UniProt Gene Name	NXF1
UniProt Synonym Gene Names	TAP
UniProt Entry Name	NXF1_HUMAN
NCBI Protein Information	nuclear RNA export factor 1

NCBI Summary for NXF1	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. [provided by RefSeq, Jul 2008]
UniProt Comments for NXF1	NXF1: 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 ALYREF/THOC4 and THOC5. Belongs to the NXF family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: RNA-binding Chromosomal Location of Human Ortholog: 11q12-q13 Cellular Component: nucleoplasm; nuclear speck; nuclear pore; cytosol; nuclear inclusion body Molecular Function: mRNA binding; protein binding; nucleotide binding; nucleocytoplasmic transporter activity Biological Process: mRNA export from nucleus; poly(A)+ mRNA export from nucleus; viral reproduction; gene expression
Research Articles on NXF1	**1.** Hepatitis B virus core protein associates with the cellular NXF1-p15 complex via the nuclear export signal motif of hepatitis B virus core protein.Nuclear export of human hepatitis B virus core protein and pregenomic RNA depends on the NXF1-p15 machinery.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-antibody/nxf1/3904156