

Anti-NXF1 Antibody

Rabbit polyclonal antibody to NXF1

Catalog # AP59798

Product Information

| | |
|--------------------------|------------------------|
| Application | WB, IP |
| Primary Accession | Q9UBU9 |
| Reactivity | Human, Mouse, Monkey |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 70182 |

Additional Information

| | |
|---------------------------|---|
| Gene ID | 10482 |
| Other Names | TAP; Nuclear RNA export factor 1; Tip-associated protein; Tip-associating protein; mRNA export factor TAP |
| Target/Specificity | Recognizes endogenous levels of NXF1 protein. |
| Dilution | WB~~WB (1/500 - 1/1000), IP (1/10 - 1/100) IP~~N/A |
| Format | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide. |
| Storage | Store at -20 °C.Stable for 12 months from date of receipt |

Protein Information

| | |
|-----------------|---|
| Name | NXF1 |
| Synonyms | TAP |
| Function | <p>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/NFX1 pathway) (PubMed:10924507). 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:18364396, PubMed:19165146, PubMed:9660949).</p> <p>ALYREF/THOC4-bound mRNA is thought to be transferred to the NXF1-NXT1 heterodimer for export (PubMed:18364396, PubMed:19165146, PubMed:9660949). 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:28984244).</p> |

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)

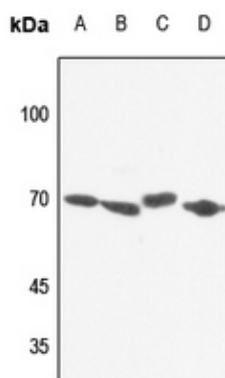
Tissue Location

Expressed ubiquitously.

Background

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human NXF1. The exact sequence is proprietary.

Images



Western blot analysis of NXF1 expression in HEK293T (A), Hela (B), HepG2 (C), mouse kidney (D) whole cell lysates.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.