

产品名称: TAP Rabbit Polyclonal Antibody
产品货号: AP Rab18645



产品概述 (Summary)

产品名称 (Production Name)	TAP Rabbit Polyclonal Antibody
描述 (Description)	Rabbit Polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,ELISA
种属反应性 (Reactivity)	Human,Rat,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	NXF1
别名 (Alternative Names)	NXF1; TAP; Nuclear RNA export factor 1; Tip-associated protein; Tip-associating protein; mRNA export factor TAP
基因 ID (Gene ID)	10482.0
蛋白 ID (SwissProt ID)	Q9UBU9.The antiserum was produced against synthesized peptide derived from human NXF1. AA range:1-50

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500 - 1:2000. ELISA: 1:40000.
蛋白分子量 (Molecular Weight)	70kD

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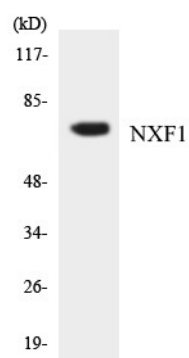
研究背景 (Background)

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 domain: The leucine-rich repeats and the NTF2-domain are essential for the export of mRNA from the nucleus, domain: The minimal CTE binding domain consists of an RNP-type RNA binding domain (RBD) and leucine-rich repeats, domain: The nucleoporin binding domain consists of a NTF2-like domain and a TAP domain (also called UBA-like domain). The NTF2 domain heterodimerizes with NXT1 and NXT2. The formation of NXF1/NXT1 heterodimers is required for NXF1-mediated nuclear mRNA export. The TAP domain mediates direct interactions with nucleoporin-FG-repeats and is necessary and sufficient for localization of NXF1 to the nuclear rim. The conserved loop 594-NWD-596 of the UBA domain has a critical role in the interaction with nucleoporins, 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, miscellaneous: The RNA-binding domain is a non-canonical RNP-type domain, similarity: Belongs to the NXF family, similarity: Contains 1 NTF2 domain, similarity: Contains 1 RRM (RNA recognition motif) domain, similarity: Contains 1 TAP-C domain, similarity: Contains 4 LRR (leucine-rich) repeats, subcellular location: 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, subunit: Interacts with NXT1, NXT2, E1B-AP5, RAE1, THOC4 and with several nucleoporins. Is part of the exon junction complex (EJC) containing NCBP1, NCBP2, RNPS1, RBM8A, SRRM1, NXF1, RENT1, RENT2, RENT3A, RENT3B and THOC4. Found in a mRNA complex with RENT3A and RENT3B. Interacts with Saimiriine herpesvirus 2 TIP protein. Interacts with NUPL2, tissue specificity: Expressed ubiquitously,

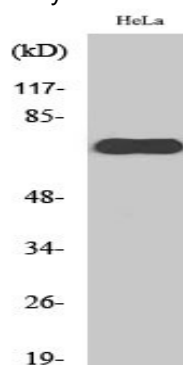
研究领域 (Research Area)

图片 (Image Data)

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Western blot analysis of the lysates from HeLa cells using NXF1 antibody.



Western Blot analysis of various cells using TAP Polyclonal Antibody diluted at 1: 2000

注意事项 (Note)

For research use only .