异质核糖核蛋白 U 抗体

产品货号： mIR9092

英文名称： hnRNP U

中文名称： 异质核糖核蛋白 U 抗体

别　　名： Heterogeneous nuclear ribonucleoprotein U; hnRNP U; hnRNP U protein; HNRNPU; hnRNPU protein; HNRPU; HNRPU_HUMAN; p120; p120 nuclear protein; pp120; SAF A; SAF-A; SAFA; Scaffold attachment factor A; U21.1.

研究领域： 细胞生物　免疫学　表观遗传学

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Pig, Cow,

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:50-200 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分 子 量： 90kDa

细胞定位： 细胞核 细胞浆

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human hnRNP U:2-100/825

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 ˚C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20˚C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ˚C.

PubMed： **PubMed**

产品介绍 ： Heterogeneous nuclear ribonucleoproteins (hnRNPs) are thought to be involved in pre-mRNA processing. However, its role in the regulation of gene expression is as yet poorly understood. Proteins of the heterogeneous nuclear ribonucleoparticles (hnRNP) family form a structurally diverse group of RNA binding proteins implicated in various functions. Recently, hnRNP proteins have been shown to hinder communication between factors bound to different splice sites. Conversely, several reports have described a positive role for some hnRNP proteins in pre-mRNA splicing. hnRNP-U, also termed scaffold attachment factor A (SAF-A), binds to pre-mRNA and nuclear matrix/scaffold attachment region DNA elements.

Function:

Component of the CRD-mediated complex that promotes MYC mRNA stabilization. Binds to pre-mRNA. Has high affinity for scaffold-attached region (SAR) DNA. Binds to double- and single-stranded DNA and RNA.

Subunit:

Identified in the spliceosome C complex. Component of the coding region determinant (CRD)-mediated complex, composed of DHX9, HNRNPU, IGF2BP1, SYNCRIP and YBX1. Identified in a mRNP complex, at least composed of DHX9, DDX3X, ELAVL1, HNRNPU, IGF2BP1, ILF3, PABPC1, PCBP2, PTBP2, STAU1, STAU2, SYNCRIP and YBX1. Identified in a mRNP granule complex, at least composed of ACTB, ACTN4, DHX9, ERG, HNRNPA1, HNRNPA2B1, HNRNPAB, HNRNPD, HNRNPL, HNRNPR, HNRNPU, HSPA1, HSPA8, IGF2BP1, ILF2, ILF3, NCBP1, NCL, PABPC1, PABPC4, PABPN1, RPLP0, RPS3, RPS3A, RPS4X, RPS8, RPS9, SYNCRIP, TROVE2, YBX1 and untranslated mRNAs. Interacts with IGF2BP1 and ERBB4. Ligand for CR2.

Subcellular Location:

Nucleus. Cytoplasm. Cell surface. Localized in cytoplasmic mRNP granules containing untranslated mRNAs. Component of ribonucleosomes. Also found associated with the cell surface.

Post-translational modifications:

Extensively phosphorylated.

Arg-733 and Arg-739 are dimethylated, probably to asymmetric dimethylarginine.

Similarity:

Contains 1 B30.2/SPRY domain.

Contains 1 SAP domain.

SWISS:

Q00839

Gene ID:

3192

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

产品图片