

hnRNP U Mouse mAb

CatalogNo: YM1044

Key Features

Host Species

- Mouse

Reactivity

- Human,Bovine,Pig,Rabbit

Applications

- WB

MW

- 91kD (Calculated)

Recommended Dilution Ratios

WB 1:1000-1:2000

Not yet tested in other applications.

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Monoclonal

Immunogen Information

Immunogen Purified recombinant human hnRNP U protein fragments expressed in E.coli.

Specificity hnRNP U Monoclonal Antibody detects endogenous levels of hnRNP U protein.

Target Information

Gene name HNRNPU

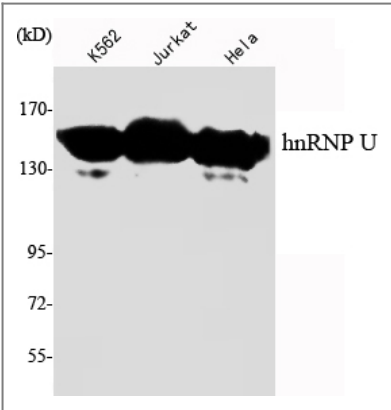
Protein Name	Heterogeneous nuclear ribonucleoprotein U		
	Organism	Gene ID	UniProt ID
	Human	3192 ;	Q00839 ;
	Mouse		Q8VEK3 ;

Cellular Localization Nucleus . Nucleus matrix . Chromosome . Nucleus speckle . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Chromosome, centromere, kinetochore . Cytoplasm, cytoskeleton, spindle . Cytoplasm, cytoskeleton, spindle pole . Midbody . Cytoplasm . Cell surface . Cytoplasmic granule . Localizes at inactive X chromosome (Xi) regions (PubMed:11003645, PubMed:14608463, PubMed:15563465). Localizes in the nucleus during interphase (PubMed:21242313). At metaphase, localizes with mitotic spindle microtubules (MTs) (PubMed:21242313). At anaphase, localizes in the mitotic spindle midzone (PubMed:21242313). Localizes in spindle MTs proximal to spindle poles in a TPX2- and AURKA-dependent manner (PubMed:21242313). The Ser-59 phosphorylated form localizes to centrosomes during prophase and metaphase, to mitotic spindles in anaphase and to the midbody during cytokinesis (PubMed:25986610). Colocalizes with SMARCA4 in the nucleus (By similarity). Colocalizes with CBX5 in the nucleus (PubMed:19617346). Colocalizes with NR3C1 in nuclear speckles (PubMed:9353307). Localized in cytoplasmic ribonucleoprotein (RNP) granules containing untranslated mRNAs (PubMed:17289661). .

Tissue specificity Widely expressed.

Function Function: Binds to pre-mRNA. Has high affinity for scaffold-attached region (SAR) DNA. Bind to double- and single-stranded DNA and RNA.,PTM: Arg-732 and Arg-738 are dimethylated, probably to asymmetric dimethylarginine.,PTM: Extensively phosphorylated.,similarity: Contains 1 B30.2/SPRY domain.,similarity: Contains 1 SAP domain.,subcellular location: Component of ribonucleosomes. Also found associated with the cell surface.,subunit: Identified in the spliceosome C complex, at least composed of AQR, ASCC3L1, C19orf29, CDC40, CDC5L, CRNKL1, DDX23, DDX41, DDX48, DDX5, DGCR14, DHX35, DHX38, DHX8, EFTUD2, FRG1, GPATC1, HNRNPA1, HNRNPA2B1, HNRPA3, HNRNPC, HNRPF, HNRPH1, HNRPK, HNRPM, HNRNPR, HNRNPU, KIAA1160, KIAA1604, LSM2, LSM3, MAGOH, MORG1, PABPC1, PLRG1, PNN, PPIE, PPIL1, PPIL3, PPWD1, PRPF19, PRPF4B, PRPF6, PRPF8, RALY, RBM22, RBM8A, RBMX, SART1, SF3A1, SF3A2, SF3A3, SF3B1, SF3B2, SF3B3, SFRS1, SKIV2L2, SNRPA1, SNRPB, SNRPB2, SNRPD1, SNRPD2, SNRPD3, SNRPE, SNRPF, SNRPG, SNW1, SRRM1, SRRM2, SYF2, SYNCRIP, TFIP11, THOC4, U2AF1, WDR57, XAB2 and ZCCHC8. Ligand for CR2.,

Validation Data



Western Blot analysis using hnRNP U Monoclonal Antibody against K562, Jurkat, HeLa cell lysate.

| Contact information

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**hnRNP U Mouse
mAb**

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