

U1A Antibody

Rabbit mAb

Catalog # AP91696

Product Information

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|--------------------------|----------------------------------|
| Application | WB, IF, ICC, IP |
| Primary Accession | P09012 |
| Reactivity | Rat, Human, Mouse |
| Clonality | Monoclonal |
| Other Names | Mud1; snRNP A; SNRPA; U1-A; U1A; |
| Isotype | Rabbit IgG |
| Host | Rabbit |
| Calculated MW | 31280 |

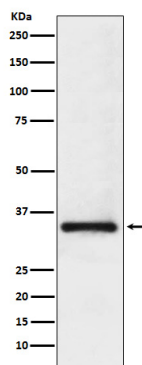
Additional Information

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| Dilution | WB 1:1000~1:5000 ICC/IF 1:50~1:200 IP 1:50 |
| Purification | Affinity-chromatography |
| Immunogen | A synthesized peptide derived from human U1A |
| Description | Binds stem loop II of U1 snRNA. It is the first snRNP to interact with pre-mRNA. This interaction is required for the subsequent binding of U2 snRNP and the U4/U6/U5 tri-snRNP. In a snRNP-free form (SF-A) may be involved in coupled pre-mRNA splicing and polyadenylation process. |
| Storage Condition and Buffer | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |

Protein Information

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|--------------------------|--|
| Name | SNRPA |
| Function | Component of the spliceosomal U1 snRNP, which is essential for recognition of the pre-mRNA 5' splice-site and the subsequent assembly of the spliceosome. U1 snRNP is the first snRNP to interact with pre-mRNA. This interaction is required for the subsequent binding of U2 snRNP and the U4/U6/U5 tri-snRNP. SNRPA binds stem loop II of U1 snRNA. In a snRNP-free form (SF-A) may be involved in coupled pre-mRNA splicing and polyadenylation process. May bind preferentially to the 5'-UGCAC-3' motif on RNAs. |
| Cellular Location | Nucleus. |

Images



Western blot analysis of U1A expression in Jurkat cell lysate.

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