

hnRNP A0 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP56662

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q13151
Reactivity	Rat, Pig, Dog, Cynomolgus, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	30841
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human hnRNP A0
Epitope Specificity	1-100/305
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus. Component of ribonucleosomes.
SIMILARITY	Contains 2 RRM (RNA recognition motif) domains.
Post-translational modifications	Arg-291 is dimethylated, probably to asymmetric dimethylarginine.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions Heterogeneous nuclear ribonucleoproteins (hnRNPs) constitute a set of polypeptides that contribute to mRNA transcription and pre-mRNA processing as well as mature mRNA transport to the cytoplasm and translation. They also bind heterogeneous nuclear RNA (hnRNA), which are the transcripts produced by RNA polymerase II. There are approximately 20 known hnRNP proteins and their complexes are the major constituents of the spliceosome. The majority of hnRNP protein components are localized to the nucleus; however, some shuttle between the nucleus and the cytoplasm. hnRNP I, also designated polypyrimidine tract-binding protein (PTB), and its homolog hnRNP L, bind to the 3' end of introns to modulate alternative splicing mechanisms of pre-mRNAs in normal cells and the translation of several viruses, including hepatitis C virus (HCV). The human hnRNP I gene maps to chromosome 19p13.3 and encodes a protein that is localized in the nucleoplasm. hnRNP L, like hnRNP I, is also localized in the nucleoplasm.

Additional Information

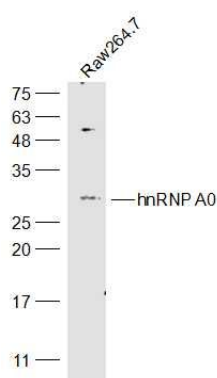
Gene ID	10949
Other Names	Heterogeneous nuclear ribonucleoprotein A0, hnRNP A0, HNRNPA0, HNRPA0
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000

Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glycerol
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	HNRNPA0
Synonyms	HNRPA0
Function	mRNA-binding component of ribonucleosomes. Specifically binds AU-rich element (ARE)-containing mRNAs. Involved in post-transcriptional regulation of cytokines mRNAs.
Cellular Location	Nucleus. Note=Component of ribonucleosomes.

Images



Sample:
 Raw264.7(Mouse) Cell Lysate at 30 ug
 Primary: Anti-hnRNP A0 (AP56662) at 1/300 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 31 kD
 Observed band size: 31 kD

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