10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

hnRNP A0 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56662

Specification

hnRNP A0 Polyclonal Antibody - Product Information

Application	**WB, IHC-P, IHC-F, IF, ICC, E**
Primary Accession	Q13151
Reactivity	**Rat, Pig, Cynomolgus, Dog, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**31 KDa**
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 sev-eral 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.

hnRNP A0 Polyclonal Antibody - Additional Information

Gene ID 10949

Other Names
Heterogeneous nuclear ribonucleoprotein A0, hnRNP A0, HNRNPA0, HNRPA0

Dilution
WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Storage
Store at -20 ℃ 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 ℃.

hnRNP A0 Polyclonal Antibody - 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.

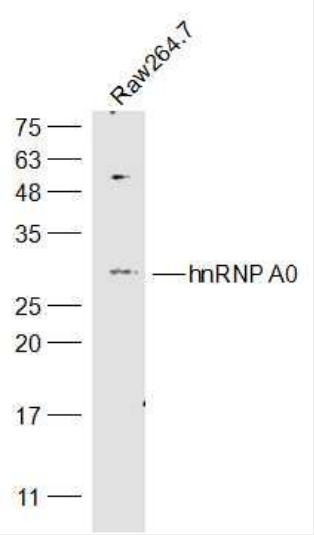
hnRNP A0 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

hnRNP A0 Polyclonal Antibody - Images

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



Sample:
Raw264.7(Mouse) Cell Lysate at 30 ug
Primary: Anti-hnRNP A0 (bs-17339R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 31 kD
Observed band size: 31 kD