

hnRNP A3 Rabbit pAb

Catalog # AP99819

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P51991
Other Accession	P51991
Reactivity	Human, Mouse
Predicted	Rat, Rabbit, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39595
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human hnRNP A3
Epitope Specificity	61-160/378
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 2 RRM (RNA recognition motif) domains.
SUBUNIT	Identified in the spliceosome C complex.
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 poly-peptides 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. The A/B subfamily of hnRNPs include A1, A2/B1, A3 and A0, and in Xenopus, hnRNP A1, A2 and A3 are ubiquitously expressed throughout development as well as in adult tissues. hnRNP A1 and A2/B1 regulate the processing of pre-mRNA by directly antagonizing the association of various splicing factors and by influencing the splice site selection on pre-mRNA. The hnRNP A0 gene is distinct from the other A/B family members, and it encodes a low-abundance protein, which is implicated in mRNA stability.

Additional Information

Gene ID	220988
Other Names	2610510D13Rik; D10S102; FBRNP; HNRPA3; 2410013L13Rik; 2610209F03Rik; mBx; ROA3_HUMAN; HNRNPA3; hnRNP A3; ROA3_MOUSE; ROA3_RAT; heterogeneous nuclear ribonucleoprotein A3
	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500

Dilution
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	HNRNPA3
Synonyms	HNRPA3
Function	Plays a role in cytoplasmic trafficking of RNA. Binds to the cis-acting response element, A2RE. May be involved in pre-mRNA splicing.
Cellular Location	Nucleus. Note=Component of ribonucleosomes

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