

hnRNP A1 Polyclonal Antibody

Product Details

Size	100 µg
Species	Human
Published Species	Human
Expression System	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide derived from residues 300 to the C-terminus of Human hnRNP A1.
Form	Liquid
Concentration	0.9 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.4, with 1% BSA
Contains	0.02% sodium azide
Storage Conditions	-20°C or -80°C if preferred
RRID	AB_10985300

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC)	Assay-Dependent	-
Immunofluorescence (IF)	Assay-Dependent	-
Immunohistochemistry (Paraffin) (IHC (P))	5 µg/mL	-
Immunoprecipitation (IP)	5 µg	-
RNA Immunoprecipitation (RIP)	Assay-Dependent	-
Western Blot (WB)	1:500-1:1000	3 Publications

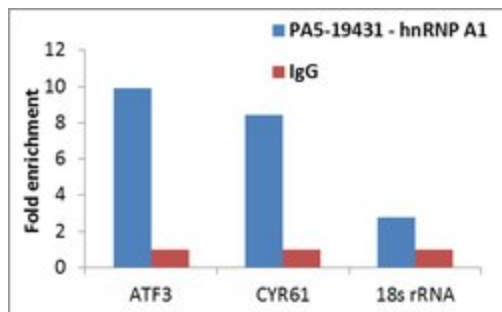
Product Specific Information

Heat mediated antigen retrieval recommended prior to tissue staining.

This antibody is predicted to react with mouse, rat and macaque monkey based on sequence homology.

Store antibody at 4°C for 1-2 weeks. For long-term storage, store at -20°C.

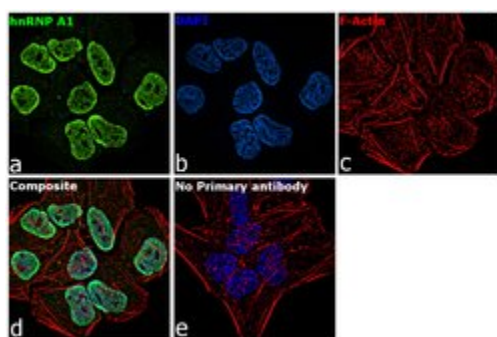
Advanced Verification Data



hnRNP A1 Antibody (PA5-19431)

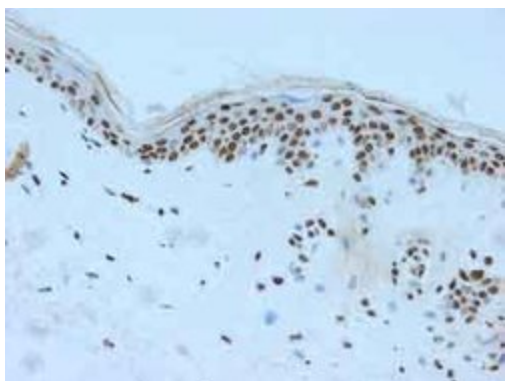
Antibody specificity was demonstrated by detection of binding of the target protein to specific RNA. RNA Immunoprecipitation (RIP) was performed using Anti-hnRNP A1 Polyclonal Antibody (Product # PA5-19431) using RIP primer pairs over ATF3, CYR61 (positive) and 18S rRNA (negative). Relative expression validation info.

Product Images For hnRNP A1 Polyclonal Antibody



hnRNP A1 Antibody (PA5-19431) in IF

Immunofluorescence analysis of hnRNP A1 was performed using 70% confluent log phase HeLa cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with hnRNP A1 Rabbit Polyclonal Antibody (Product # PA5-19431) at 5 microgram/ml in 0.1% BSA, incubated at 4 degree Celsius overnight and then labeled with Goat anti-Rabbit IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing nucleus localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



hnRNP A1 Antibody (PA5-19431) in IHC

Immunohistochemical (formalin-fixed, paraffin-embedded) staining of human skin tissue using Product # PA5-19431, anti-hnRNP A1 antibody. Primary antibody was used at a concentration of 5 µg/mL and exposed for 15 mins at room temp. The sample was pretreated using heat mediated antigen retrieval with Sodium Citrate Buffer (pH6/20mins). The detection method was a HRP conjugated polymer, DAB chromogen and the sample was counterstained with haematoxylin and mounted with DPX.

[View more figures on thermofisher.com](https://www.thermofisher.com)

Western Blot (3)

Nature communications

Structural basis for terminal loop recognition and stimulation of pri-miRNA-18a processing by hnRNP A1.

"PA5-19431 was used in Western Blotting to study the mechanistic basis for how individual or subsets of miRNAs are regulated."

Authors: Kooshapur H, Choudhury NR, Simon B, Mühlbauer M, Jussupow A, Fernandez N, Jones AN, Dallmann A, Gabel F, Camilloni C, Michlewski G, Caceres JF, Sattler M

Species
Human

Dilution
1:1000

Year
2018

Cell

SAF-A Regulates Interphase Chromosome Structure through Oligomerization with Chromatin-Associated RNAs.

"PA5-19431 was used in Western Blotting to demonstrate scaffold attachment factor A and chromatin-associated RNAs form a chromatin mesh that organises large-scale chromosome structures and protects the genome from instability."

Authors: Nozawa RS, Boteva L, Soares DC, Naughton C, Dun AR, Buckle A, Ramsahoye B, Bruton PC, Saleeb RS, Arnedo M, Hill B, Duncan RR, Maciver SK, Gilbert N

Species
Human

Dilution
1:3000

Year
2017

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