

For Research Use Only

HNRNPA1 Polyclonal antibody

Catalog Number: 11176-1-AP

Featured Product

40 Publications



Basic Information

Catalog Number:

11176-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1656

GenBank Accession Number:

BC009600

GeneID (NCBI):

3178

UNIPROT ID:

P09651

Full Name:

heterogeneous nuclear ribonucleoprotein A1

Calculated MW:

34 kDa

Observed MW:

34, 40 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:500-1:2000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF, IP, RIP

Species Specificity:

human, mouse, rat, pig

Cited Species:

human, mouse, rat, pig, zebrafish

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells, mouse colon tissue, K-562 cells, Neuro-2a cells, C6 cells

IHC : mouse pancreas tissue, human breast cancer tissue, human colon tissue, human colon cancer tissue, human liver cancer tissue, human lung cancer tissue

IF/ICC : HeLa cells,

Background Information

In eukaryotic cells, nascent RNA polymerase II transcripts are associated in the nucleus with specific proteins to form ribonucleoprotein complexes called HNRP or 40S. Protein moiety of the HNRP particle has 6 major components called core proteins, and HNRPA1 is one of them. hnRNP A1 is a multifunctional RNA binding protein which is involved in pre-mRNA splicing, export of mature transcripts from the nucleus, mRNA turnover, and internal ribosome entry site (IRES)-mediated translation. HNRNPA1 has three isoforms with MW 30 kDa, 34 kDa and 39 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Hang Li	33102210	Front Oncol	WB
Johan Aarum	32945072	EMBO Rep	WB
Ruqi Jiang	34480971	Cancer Lett	WB,IHC,IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

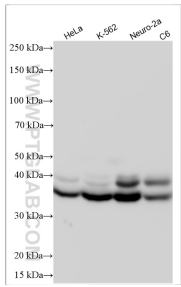
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

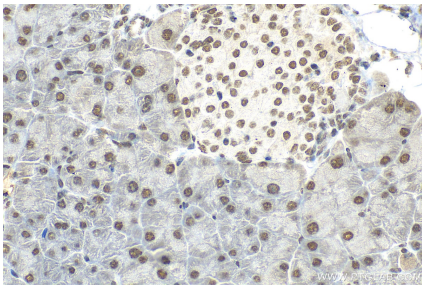
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

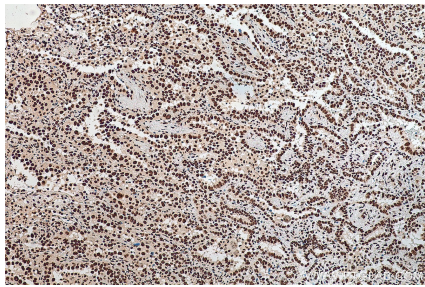
Selected Validation Data



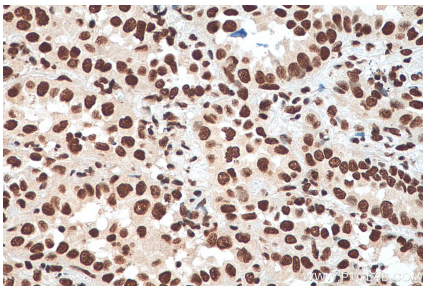
Various lysates were subjected to SDS PAGE followed by western blot with 11176-1-AP (HNRNPA1 antibody) at dilution of 1:40000 incubated at room temperature for 1.5 hours.



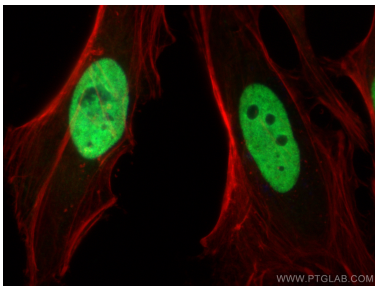
Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue slide using 11176-1-AP (HNRNPA1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



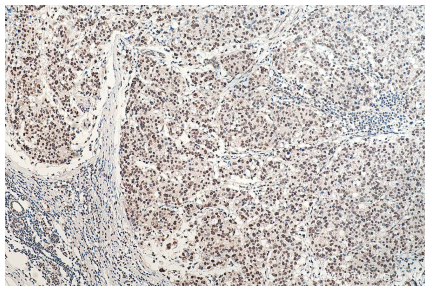
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 11176-1-AP (HNRNPA1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



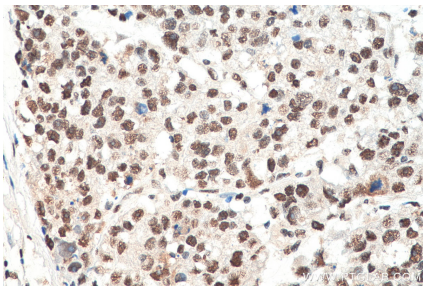
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 11176-1-AP (HNRNPA1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



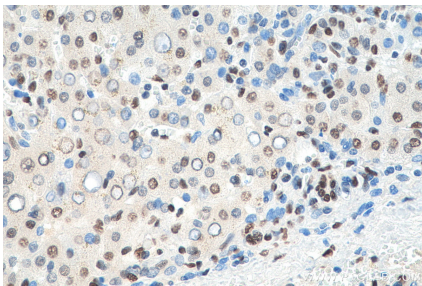
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using HNRNPA1 antibody (11176-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).



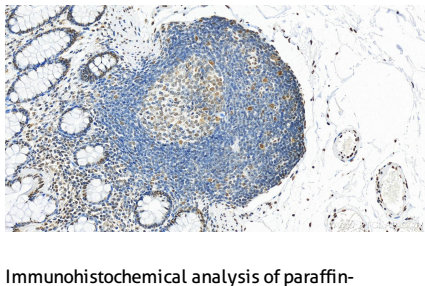
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 11176-1-AP (HNRNPA1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 11176-1-AP (HNRNPA1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 11176-1-AP (HNRNPA1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 11176-1-AP (HNRNPA1 antibody) at dilution of 1:8000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).