

For Research Use Only

HNRNPA1 Monoclonal antibody

Catalog Number: 67844-1-Ig **4 Publications**



Basic Information

Catalog Number: 67844-1-Ig	GenBank Accession Number: BC009600	Purification Method: Protein A purification
Source: Mouse	GeneID (NCBI): 3178	CloneNo.: 1A5A4
Isotype: IgG2b	UNIPROT ID: P09651	Recommended Dilutions: WB: 1:20000-1:100000 IHC: 1:2500-1:10000 IF/ICC: 1:200-1:800
Immunogen Catalog Number: AG17415	Full Name: heterogeneous nuclear ribonucleoprotein A1	
	Calculated MW: 34 kDa	
	Observed MW: 34 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Cited Applications:
WB, IHC, IF

Species Specificity:
human, mouse

Cited Species:
human, mouse

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: LNCaP cells, NIH/3T3 cells, RAW 264.7 cells, HeLa cells, Jurkat cells, K-562 cells, HEK-293 cells

IHC: human lung cancer tissue, human breast cancer tissue, human colon cancer tissue, human liver 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
Yang Zhou	41671881	Phytomedicine	WB
Minami Hasegawa-Ogawa	40778857	J Cell Biol	IF
Xiang Ma	39428563	CNS Neurosci Ther	WB

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

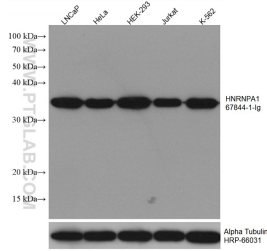
T: 4006900926

E: Proteintech-CN@ptglab.com

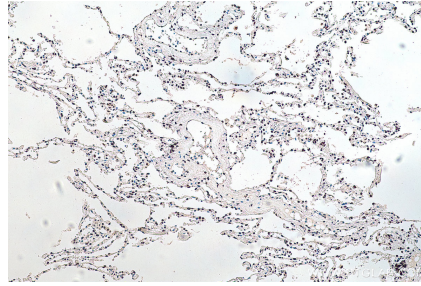
W: ptgcn.com

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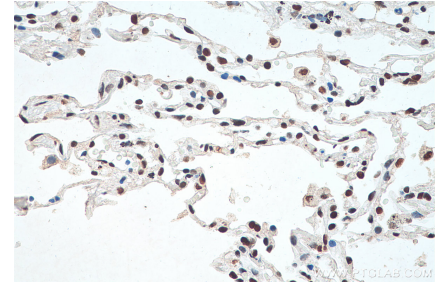
Selected Validation Data



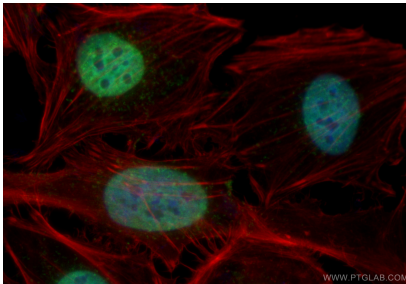
Various lysates were subjected to SDS PAGE followed by western blot with 67844-1-Ig (HNRNPA1 antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



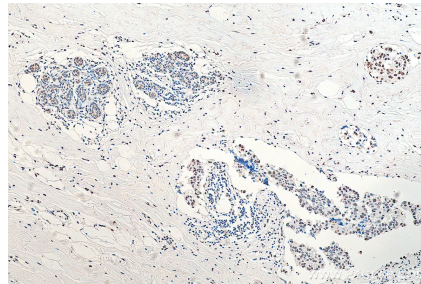
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 67844-1-Ig (HNRNPA1 antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 67844-1-Ig (HNRNPA1 antibody) at dilution of 1:5000 (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 (67844-1-Ig, Clone: 1A5A4) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002), CL594-phalloidin (red).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67844-1-Ig (HNRNPA1 antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).