

For Research Use Only

# HNRNPA1 Monoclonal antibody

Catalog Number: 67844-1-Ig **2 Publications**



## Basic Information

<b>Catalog Number:</b> 67844-1-Ig	<b>GenBank Accession Number:</b> BC009600	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 500 ug/ml	<b>GeneID (NCBI):</b> 3178	<b>CloneNo.:</b> 1A5A4
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P09651	<b>Recommended Dilutions:</b> WB 1:20000-1:100000 IHC 1:2500-1:10000 IF/ICC 1:200-1:800
<b>Isotype:</b> IgG2b	<b>Full Name:</b> heterogeneous nuclear ribonucleoprotein A1	
<b>Immunogen Catalog Number:</b> AG17415	<b>Calculated MW:</b> 34 kDa	
	<b>Observed MW:</b> 34 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b> <b>WB :</b> LNCaP cells, NIH/3T3 cells, RAW 264.7 cells, HeLa cells, Jurkat cells, K-562 cells, HEK-293 cells <b>IHC :</b> human lung cancer tissue, human breast cancer tissue, human colon cancer tissue, human liver cancer tissue <b>IF/ICC :</b> HeLa cells,
<b>Cited Applications:</b> WB, IHC	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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
Xiang Ma	39428563	CNS Neurosci Ther	WB
Cheng Lian	39341825	Signal Transduct Target Ther	WB,IHC

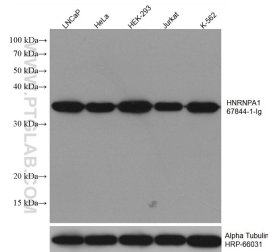
## Storage

**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

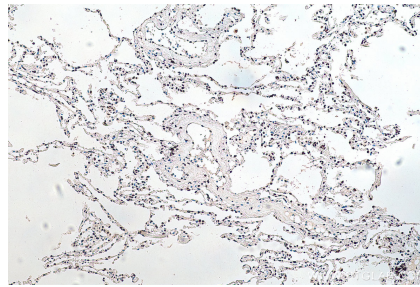
For technical support and original validation data for this product please contact:  
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

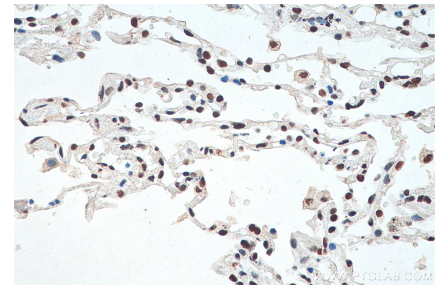
## Selected Validation Data



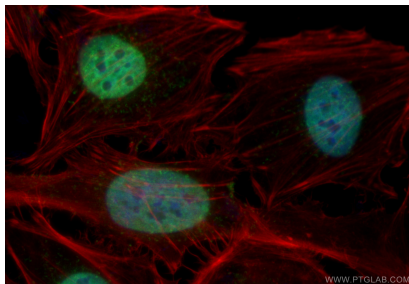
Various lysates were subjected to SDS PAGE followed by western blot with 67844-1-Ig (HNRNPA1 antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



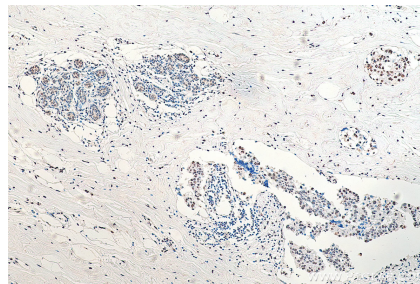
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 67844-1-Ig (HNRNPA1 antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).