

For Research Use Only

# HNRNPA1 Monoclonal antibody, PBS Only



Catalog Number: 67844-1-PBS

## Basic Information

|   |   |   |
|---|---|---|
| <b>Catalog Number:</b><br>67844-1-PBS                       | <b>GenBank Accession Number:</b><br>BC009600                    | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>100ug , Concentration: 1 mg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>3178                                   | <b>CloneNo.:</b><br>1A5A4                             |
| <b>Source:</b><br>Mouse                                     | <b>UNIPROT ID:</b><br>P09651                                    |   |
| <b>Isotype:</b><br>IgG2b                                    | <b>Full Name:</b><br>heterogeneous nuclear ribonucleoprotein A1 |   |
| <b>Immunogen Catalog Number:</b><br>AG17415                 | <b>Calculated MW:</b><br>34 kDa                                 |   |
|   | <b>Observed MW:</b><br>34 kDa                                   |   |

## Applications

**Tested Applications:**  
WB, IF, IHC, Indirect ELISA

**Species Specificity:**  
Human, Mouse

## Background Information

In eukaryotic cells, nascent RNA polymerase II transcripts are associated in the nucleus with specific proteins to form ribonucleoprotein complexes called HNRNP or 40S. Protein moiety of the HNRNP 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.

## Storage

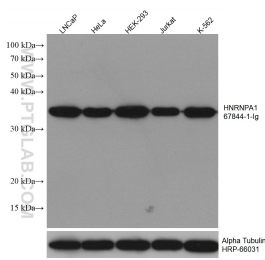
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

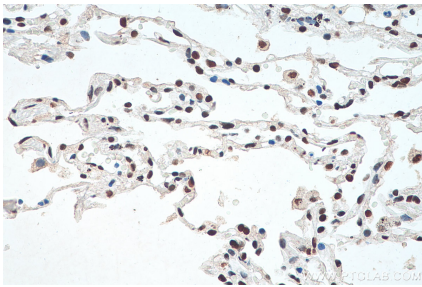
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

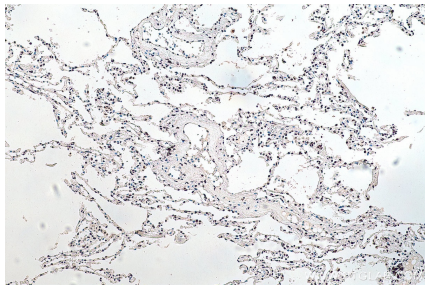
Selected Validation Data



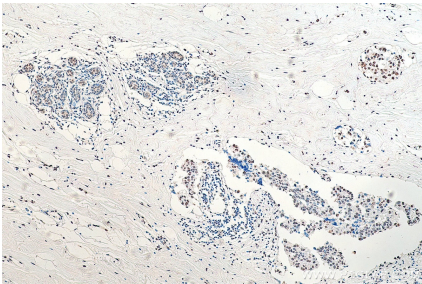
Various lysates were subjected to SDS PAGE followed by western blot with 67844-1-Ig (HNRNPA1 antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control. This data was developed using the same antibody clone with 67844-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67844-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67844-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67844-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using HNRNPA1 antibody (67844-1-Ig, Clone: 1A5A4 ) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67844-1-PBS in a different storage buffer formulation.