

# HNRNPD Monoclonal antibody

Catalog Number: 68236-1-Ig

## Basic Information

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|--|---|--|
| <b>Catalog Number:</b><br>68236-1-Ig       | <b>GenBank Accession Number:</b><br>BC026015  | <b>Purification Method:</b><br>Protein A purification  |
| <b>Size:</b><br>500 µg/ml                  | <b>GeneID (NCBI):</b><br>3184   | <b>CloneNo.:</b><br>2G9E6  |
| <b>Source:</b><br>Mouse                    | <b>UNIPROT ID:</b><br>Q14103  | <b>Recommended Dilutions:</b><br>WB 1:5000-1:50000<br>IHC 1:500-1:2000<br>IF/ICC 1:200-1:800 |
| <b>Isotype:</b><br>IgG2b                   | <b>Full Name:</b><br>heterogeneous nuclear<br>ribonucleoprotein D (AU-rich element<br>RNA binding protein 1, 37kDa) |  |
| <b>Immunogen Catalog Number:</b><br>AG3458 | <b>Calculated MW:</b><br>355 aa, 38 kDa<br><b>Observed MW:</b><br>38 kDa  |  |

## Applications

### Tested Applications:

IF/ICC, IHC, WB, ELISA

### Species Specificity:

Human, mouse, rat, pig, rabbit

**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** : A431 cells, LNCaP cells, HeLa cells, HEK-293 cells, Jurkat cells, pig brain tissue, rabbit brain tissue, rat brain tissue, mouse brain tissue

**IHC** : human cervical cancer tissue,

**IF/ICC** : HepG2 cells,

## Background Information

The heterogeneous nuclear ribonucleoprotein (hnRNP) complexes which provide the substrate for the processing events that pre-mRNAs undergo before becoming functional, translatable mRNAs in the cytoplasm. HNRNPD, also known as AUF1, belongs to the family of AU-binding proteins (AU-BPs) that regulate the cellular half-lives of many mRNAs by directly interacting with an AU-rich element (ARE) located in their 3' untranslated region (PMID:8578590,12704645). AUF1 has four isoforms produced by alternative splicing of a single transcript: p37, p40, p42, and p45 (PMID:9521873).

## 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

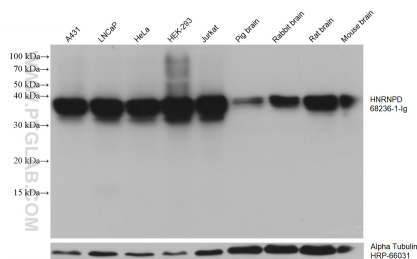
For technical support and original validation data for this product please contact:

T: 4006900926

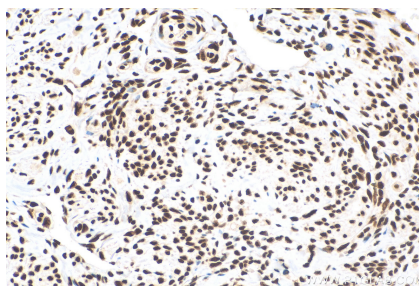
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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

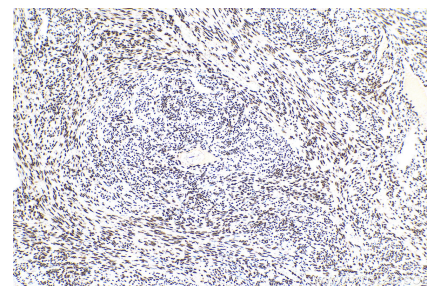
## Selected Validation Data



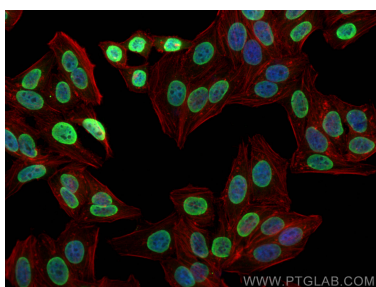
Various lysates were subjected to SDS PAGE followed by western blot with 68236-1-Ig (HNRNPD antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 68236-1-Ig (HNRNPD 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 cervical cancer tissue slide using 68236-1-Ig (HNRNPD antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using HNRNPD antibody (68236-1-Ig, Clone: 2G9E6) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).