

For Research Use Only

RDM1 Polyclonal antibody

Catalog Number:20156-1-AP

Featured Product

6 Publications



Basic Information

| | | |
|--|--|---|
| Catalog Number: 20156-1-AP | GenBank Accession Number: BC038301 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 340 ug/ml by Nanodrop and 340 ug/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 201299 | Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500 IF/ICC 1:20-1:200 |
| Source: Rabbit | UNIPROT ID: Q8NG50 | |
| Isotype: IgG | Full Name: RAD52 motif 1 | |
| Immunogen Catalog Number: AG14077 | Calculated MW: 284 aa, 32 kDa | |
| | Observed MW: 32 kDa | |

Applications

| | |
|---|--|
| Tested Applications: WB, IHC, IF/ICC, ELISA | Positive Controls: WB : PC-3 cells, human placenta tissue, MCF-7 cells IHC : human lung tissue, human brain tissue, human testis tissue IF/ICC : PC-3 cells, |
| Cited Applications: WB, IF, IHC | |
| Species Specificity: human | |
| Cited Species: human | |

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

Background Information

RDM1, also named as RAD52B, encodes a RNA recognition motif (RRM)-containing protein conferred resistance to the antitumor agent cisplatin. The expression of RDM1 is closely related to the cell proliferation and apoptosis of thyroid carcinoma cells and RDM1 may be a potential marker of lung adenocarcinoma. RDM1 has many isoforms (8 kDa, 12-19 kDa and 25-32 kDa) with long or short N-terminus and a great diversity in the exonic composition of C-terminus generated by alternative pre-mRNA splicing and differential usage of two translational start sites. RDM1 protein can be expressed differently in cytoplasm or nuclear/nucleolar in the absence of stress, proteotoxic stress and mild heat shock, suggesting functional differences among the RDM1 proteins. (PMID: 28939762, 17905820, 28939762, 30069034)

Notable Publications

| Author | Pubmed ID | Journal | Application |
|------------|-----------|---------------------|-------------|
| Yajun Chen | 31222930 | J Cell Mol Med | WB |
| Zewei Tu | 33634092 | Front Cell Dev Biol | WB |
| Guojin Xie | 30868057 | FEBS Open Bio | WB,IHC |

Storage

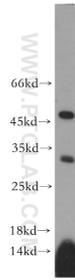
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

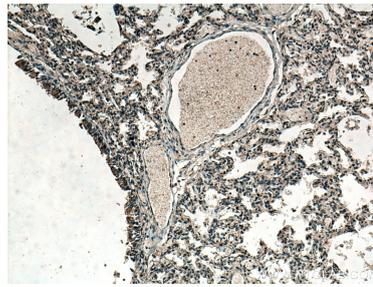
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

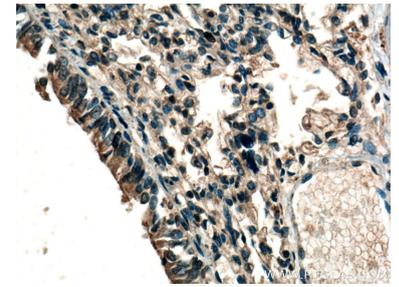
Selected Validation Data



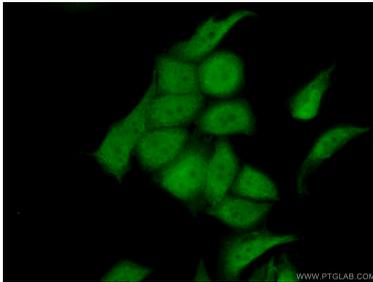
PC-3 cells were subjected to SDS PAGE followed by western blot with 20156-1-AP (RDM1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 20156-1-AP (RDM1 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 tissue slide using 20156-1-AP (RDM1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (10% Formaldehyde) fixed PC-3 cells using 20156-1-AP (RDM1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).