

For Research Use Only

# RAD23B Monoclonal antibody

Catalog Number: 67988-1-Ig

Featured Product

1 Publications



## Basic Information

Catalog Number:

67988-1-Ig

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG28658

GenBank Accession Number:

BC020973

GeneID (NCBI):

5887

UNIPROT ID:

P54727

Full Name:

RAD23 homolog B (S. cerevisiae)

Calculated MW:

409 aa, 43 kDa

Observed MW:

58 kDa

Purification Method:

Protein A purification

CloneNo.:

2E6G9

Recommended Dilutions:

WB: 1:5000-1:50000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC: 1:1000-1:4000

IF/ICC: 1:400-1:1600

## Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, CoIP

Species Specificity:

human, mouse, rat, pig

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**

Positive Controls:

WB: LNCaP cells, HeLa cells, pig brain tissue, HEK-293 cells, Huh-7 cells, human platelet cells, rat brain tissue, mouse brain tissue

IP: mouse testis tissue,

IHC: mouse brain tissue,

IF/ICC: HeLa cells,

## Background Information

RAD23B, also named as p58, hHR23B and HR23B, belongs to the RAD23 family. It plays a central role both in proteasomal degradation of misfolded proteins and DNA repair. RAD23B is a central component of a complex required to couple deglycosylation and proteasome-mediated degradation of misfolded proteins in the endoplasmic reticulum that are retrotranslocated in the cytosol. Involved in DNA excision repair by stabilizing XPC protein. It may play a part in DNA damage recognition and/or in altering chromatin structure to allow access by damage-processing enzymes. RAD23B has two subunit: Heterodimer of a 125 kDa subunit (p125) and of a 58 kDa subunit (p58).

## Notable Publications

Author	Pubmed ID	Journal	Application
Zhiqiang Wu	41286308	Oncogene	WB,IHC,IF,CoIP

## 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:

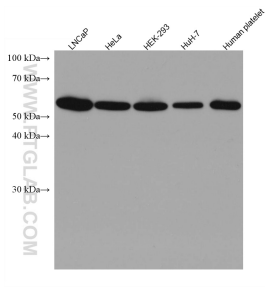
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

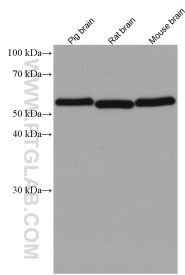
W: [ptgcn.com](http://ptgcn.com)

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

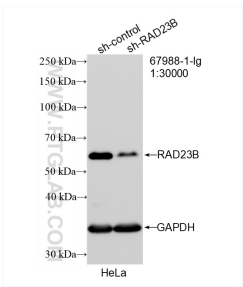
Selected Validation Data



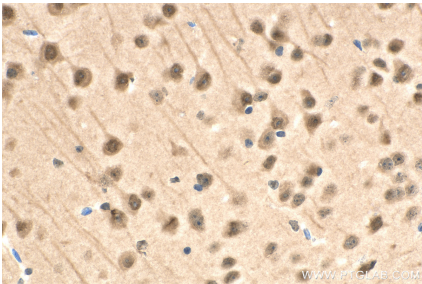
Various lysates were subjected to SDS PAGE followed by western blot with 67988-1-Ig (RAD23B antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



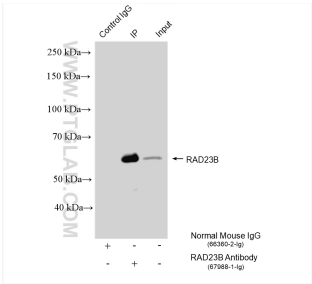
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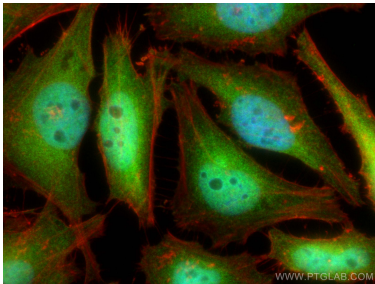
WB result of RAD23B antibody (67988-1-Ig; 1:30000; incubated at room temperature for 1.5 hours) with sh-Control and sh-RAD23B transfected HeLa cells.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67988-1-Ig (RAD23B antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-RAD23B (IP:67988-1-Ig, 4ug; Detection:67988-1-Ig 1:4000) with mouse testis tissue lysate 1560 ug.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using RAD23B antibody (67988-1-Ig, Clone: 2E6G9 ) at dilution of 1:800 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).