

For Research Use Only

# RAD23B Monoclonal antibody

Catalog Number: 67988-1-Ig



## Basic Information

<b>Catalog Number:</b> 67988-1-Ig	<b>GenBank Accession Number:</b> BC020973	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5887	<b>CloneNo.:</b> 2E6G9
<b>Source:</b> Mouse	<b>Full Name:</b> RAD23 homolog B (S. cerevisiae)	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:1000-1:4000 IF 1:400-1:1600
<b>Isotype:</b> IgG2a	<b>Calculated MW:</b> 409 aa, 43 kDa	
<b>Immunogen Catalog Number:</b> AG28658	<b>Observed MW:</b> 58 kDa	

## Applications

### Tested Applications:

IF, IHC, WB, ELISA

### Species Specificity:

Human, Mouse, Rat, Pig

**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, pig brain tissue, HeLa cells, HEK-293 cells, Huh-7 cells, human platelet cells, rat brain tissue, mouse brain tissue

**IHC:** mouse brain tissue,

**IF:** 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).

## 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

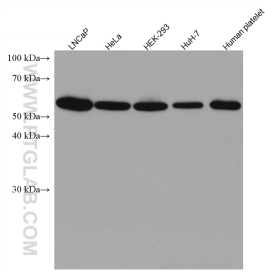
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

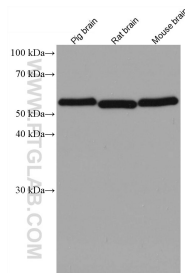
E: proteintech@ptglab.com  
W: ptglab.com

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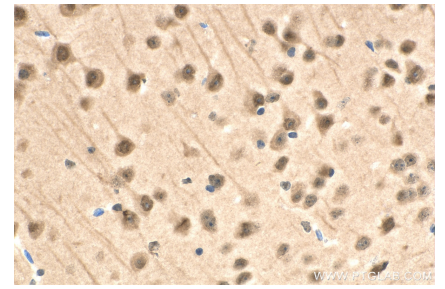
## Selected Validation Data



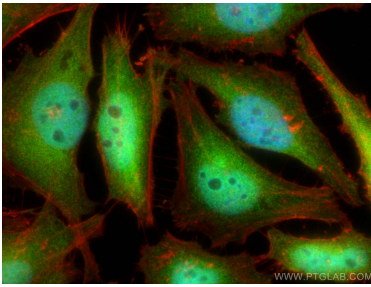
Various lysates were subjected to SDS PAGE followed by western blot with 67988-1-Ig (RAD23B antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



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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).



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).