

RAD23B Monoclonal antibody

Catalog Number: 67988-1-Ig

Basic Information

Catalog Number: 67988-1-Ig	GenBank Accession Number: BC020973	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 5887	CloneNo.: 2E6G9
Source: Mouse	UNIPROT ID: P54727	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
Isotype: IgG2a	Full Name: RAD23 homolog B (S. cerevisiae)	
Immunogen Catalog Number: AG28658	Calculated MW: 409 aa, 43 kDa	
	Observed MW: 58 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, IP, 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

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).

Storage

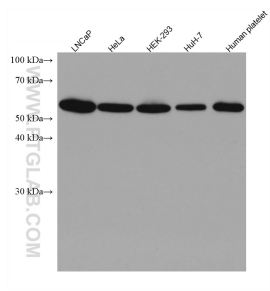
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

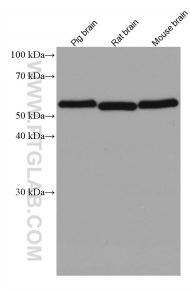
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

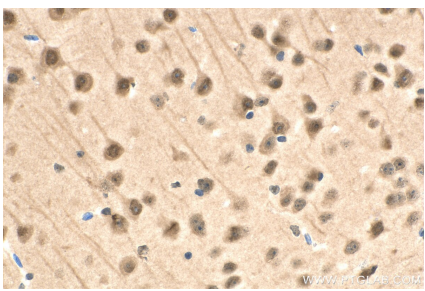
Selected Validation Data



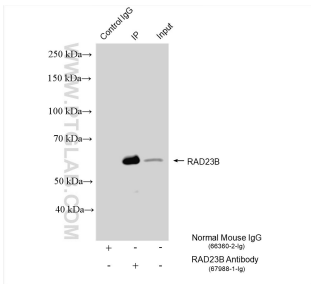
Various lysates were subjected to SDS PAGE followed by western blot with 67988-1-Ig (RAD23B antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



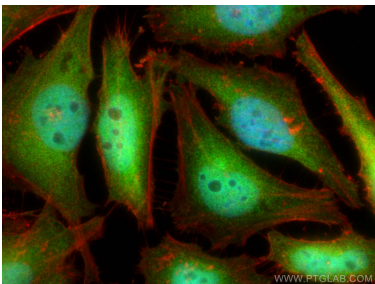
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Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67988-1-Ig (RAD23B antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).