

Basic Information

Catalog Number:	67988-1-PBS	GenBank Accession Number:	BC020973	Purification Method:	Protein A purification
Concentration:	1mg/ml	GeneID (NCBI):	5887	CloneNo.:	2E6G9
Source:	Mouse	UNIPROT ID:	P54727		
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, Indirect ELISA

Species Specificity:
human, mouse, rat, pig

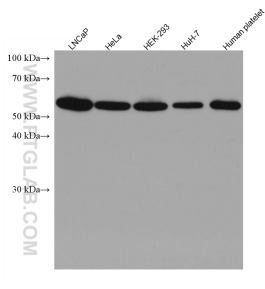
Background Information

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).

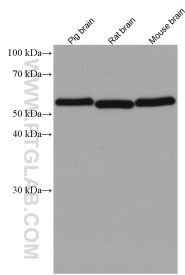
Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

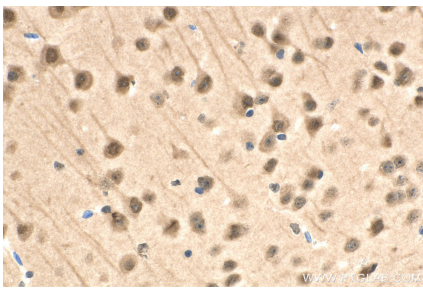
Selected Validation Data



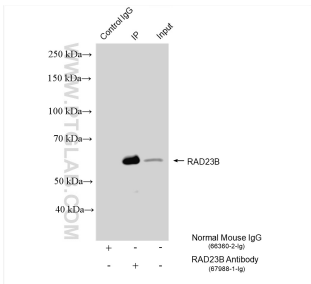
Various lysates were subjected to SDS PAGE followed by western blot with 67988-1-Ig (RAD23B antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67988-1-PBS in a different storage buffer formulation.



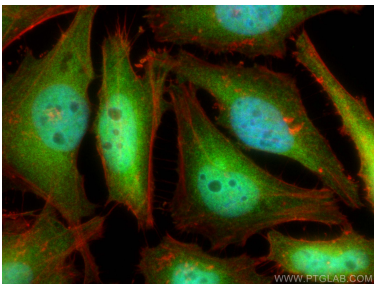
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Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67988-1-Ig (RAD23B antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67988-1-PBS in a different storage buffer formulation.



IP result of anti-RAD23B (IP:67988-1-Ig, 4ug; Detection:67988-1-Ig 1:4000) with mouse testis tissue lysate 1560 ug. This data was developed using the same antibody clone with 67988-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67988-1-PBS in a different storage buffer formulation.