

For Research Use Only

# RAD23B Polyclonal antibody

Catalog Number: 12121-1-AP **7 Publications**



## Basic Information

<b>Catalog Number:</b> 12121-1-AP	<b>GenBank Accession Number:</b> BC020973	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 700 µg/ml	<b>GeneID (NCBI):</b> 5887	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P54727	
<b>Isotype:</b> IgG	<b>Full Name:</b> RAD23 homolog B (S. cerevisiae)	
<b>Immunogen Catalog Number:</b> AG2763	<b>Calculated MW:</b> 409 aa, 43 kDa	
	<b>Observed MW:</b> 58 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : Jurkat cells, A431 cells, HEK-293 cells, mouse kidney tissue IHC : human breast cancer tissue, human liver tissue
<b>Cited Applications:</b> WB, IHC	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, pig, rat	

**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

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
Nitchakarn Kaokhum	36182100	Mol Cell Proteomics	WB
Li-Ming Tan	31772670	J Cancer	WB
Ma-Sha Huang	31249811	Front Oncol	WB

## 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

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

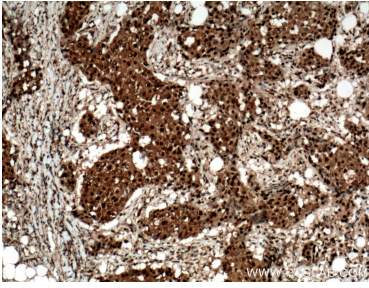
T: 4006900926

E: Proteintech-CN@ptglab.com

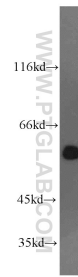
W: ptgcn.com

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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 12121-1-AP (RAD23B antibody) at dilution of 1:100 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Jurkat cells were subjected to SDS PAGE followed by western blot with 12121-1-AP (RAD23B antibody) at dilution of 1:200 incubated at room temperature for 1.5 hours.