

For Research Use Only

RAD23B Polyclonal antibody

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



Basic Information

Catalog Number: 12121-1-AP	GenBank Accession Number: BC020973	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 700 µg/ml by Nanodrop and 273 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5887	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	Full Name: RAD23 homolog B (S. cerevisiae)	
Isotype: IgG	Calculated MW: 409 aa, 43 kDa	
Immunogen Catalog Number: AG2763	Observed MW: 58 kDa	

Applications

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

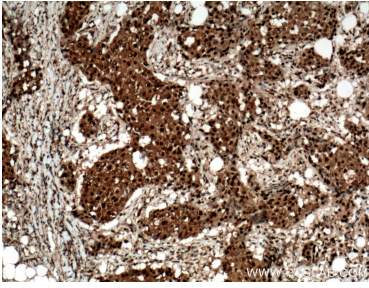
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

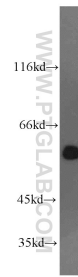
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



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.