

For Research Use Only

# RAD23A Polyclonal antibody

Catalog Number: 51033-1-AP **3 Publications**



## Basic Information

<b>Catalog Number:</b> 51033-1-AP	<b>GenBank Accession Number:</b> BC014026	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 400 µg/ml	<b>GeneID (NCBI):</b> 5886	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P54725	
<b>Isotype:</b> IgG	<b>Full Name:</b> RAD23 homolog A (S. cerevisiae)	
<b>Immunogen Catalog Number:</b> AG0716	<b>Calculated MW:</b> 40 kDa	
	<b>Observed MW:</b> 55 kDa	

## Applications

<b>Tested Applications:</b> IHC, IP, WB, ELISA	<b>Positive Controls:</b> WB : mouse spleen tissue, Jurkat cells, rat spleen tissue IP : Jurkat cells, IHC : human lymphoma tissue,
<b>Cited Applications:</b> WB, IF	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, mouse, monkey	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

RAD23A, also named as HHR23A, belongs to the RAD23 family. It is a multiubiquitin chain receptor involved in modulation of proteasomal degradation. RAD23A binds to 'Lys-48'-linked polyubiquitin chains in a length-dependent manner and with a lower affinity to 'Lys-63'-linked polyubiquitin chains. It is proposed to be capable to bind simultaneously to the 26S proteasome and to polyubiquitinated substrates and to deliver ubiquitinated proteins to the proteasome. It is involved in nucleotide excision repair and is thought to be functional equivalent for RAD23B in global genome nucleotide excision repair (GG-NER) by association with XPC. In vitro, the XPC:RAD23A dimer has NER activity. Can stabilize XPC. It is also involved in vpr-dependent replication of HIV-1 in non-proliferating cells and primary macrophages and is required for the association of HIV-1 vpr with the host proteasome. This antibody is a rabbit polyclonal antibody raised against a fusion protein of full length human RAD23A.

## Notable Publications

Author	Pubmed ID	Journal	Application
Laço Mário N MN	22970133	PLoS One	WB, IF
Aya Jodo	32849529	Front Immunol	WB
Lei Xing	37389991	Cell Rep	WB

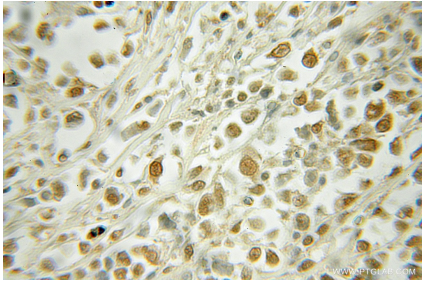
## Storage

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

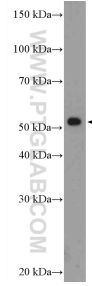
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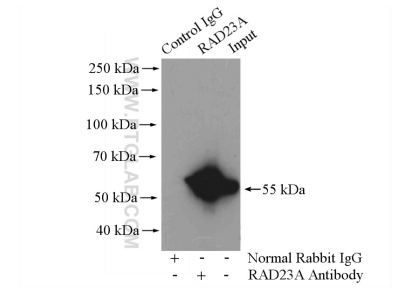
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human lymphoma using 51033-1-AP (RAD23A antibody) at dilution of 1:50 (under 10x lens).



mouse spleen tissue were subjected to SDS PAGE followed by western blot with 51033-1-AP (RAD23A Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-RAD23A (IP:51033-1-AP, 4ug; Detection:51033-1-AP 1:500) with Jurkat cells lysate 4000ug.