

For Research Use Only

RAD23A Polyclonal antibody

Catalog Number: 51033-1-AP

3 Publications



Basic Information

Catalog Number:

51033-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 250 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0716

GenBank Accession Number:

BC014026

GeneID (NCBI):

5886

UNIPROT ID:

P54725

Full Name:

RAD23 homolog A (S. cerevisiae)

Calculated MW:

40 kDa

Observed MW:

55 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, monkey

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 : mouse spleen tissue, Jurkat cells, rat spleen tissue

IP : Jurkat cells,

IHC : human lymphoma tissue,

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

*** 20ul sizes contain 0.1% BSA

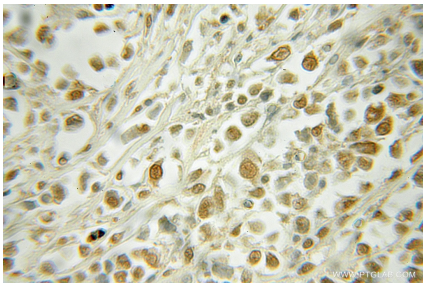
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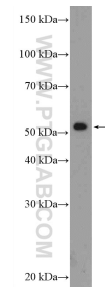
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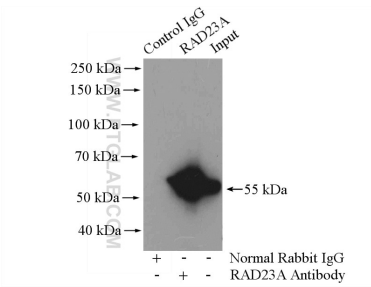
Selected Validation Data



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.