

For Research Use Only

RAD18 Polyclonal antibody

Catalog Number: 18333-1-AP

Featured Product

12 Publications



Basic Information

Catalog Number:

18333-1-AP

Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12944

GenBank Accession Number:

BC001302

GeneID (NCBI):

56852

UNIPROT ID:

Q9NS91

Full Name:

RAD18 homolog (S. cerevisiae)

Calculated MW:

56 kDa

Observed MW:

75 kDa, 85 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 1:50-1:500

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

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 : K-562 cells, A549 cells, HeLa cells, MCF-7 cells

IP : K-562 cells,

IHC : human ovary cancer tissue,

Background Information

RAD18(E3 ubiquitin-protein ligase RAD18) is also named as RNF73, HHR18 and belongs to the RAD18 family. It is involved in postreplication repair of UV-damaged DNA. RAD18 protein is detected in human cells as two major bands at 75 and 85 kDa by Western blot. The bands are identified as nonubiquitinated and monoubiquitinated forms of Rad18, respectively(PMID: 15509568). Monoubiquitinated RAD18 is detected mainly in the cytoplasm, whereas nonubiquitinated RAD18 is detected predominantly in the nuclei(PMID:15509568). This antibody is specific to RAD18.

Notable Publications

Author	Pubmed ID	Journal	Application
Xi Zeng	35313791	Bioengineered	WB,IHC,IF
Lu Lin-Yu LY	23812044	Nat Commun	IF
Yunshang Chen	35115490	Cell Death Dis	WB,IHC

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

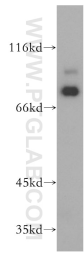
For technical support and original validation data for this product please contact:

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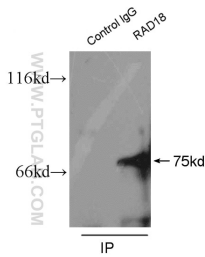
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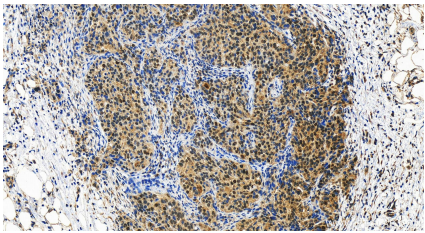
Selected Validation Data



K-562 cells were subjected to SDS PAGE followed by western blot with 18333-1-AP (RAD18 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



IP result of anti-RAD18 (IP:18333-1-AP, 3ug; Detection:18333-1-AP 1:300) with K-562 cells lysate 2000ug.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 18333-1-AP (RAD18 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).