

For Research Use Only

# RAD18 Polyclonal antibody, PBS Only

Catalog Number: 18333-1-PBS

Featured Product



## Basic Information

**Catalog Number:**

18333-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**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

## Applications

**Tested Applications:**

WB, IHC, IF/ICC, IP, Indirect ELISA

**Species Specificity:**

human

## 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.

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS only, pH7.3

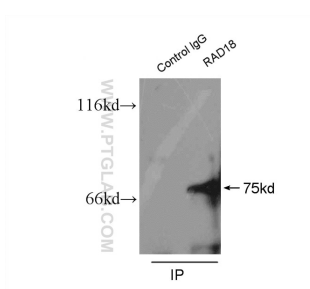
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

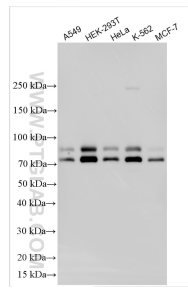
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

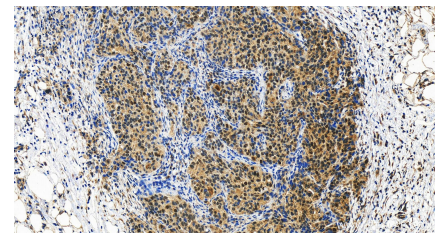
## Selected Validation Data



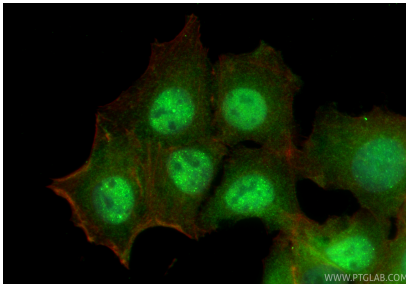
IP result of anti-RAD18 (IP:18333-1-AP, 3 $\mu$ g; Detection:18333-1-AP 1:300) with K-562 cells lysate 2000 $\mu$ g. This data was developed using the same antibody clone with 18333-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 18333-1-AP (RAD18 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 18333-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 18333-1-AP (RAD18 antibody) at dilution of 1:200 (under 20 $\times$  lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 18333-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using RAD18 antibody (18333-1-AP) at dilution of 1:400 and Coralite $^{\text{®}}$ 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 18333-1-PBS in a different storage buffer formulation.