

For Research Use Only

# RAD18 Polyclonal antibody

Catalog Number: 18333-1-AP

Featured Product

9 Publications



## Basic Information

**Catalog Number:**

18333-1-AP

**Size:**

300 µg/ml

**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 µg for 1.0-3.0 mg of total protein lysate

## Applications

**Tested Applications:**

IP, WB, ELISA

**Cited Applications:**

WB, IF, IHC

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse

**Positive Controls:**

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

IP : K-562 cells,

## 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. 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

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

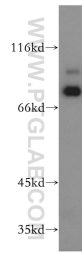
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.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, 3ug;  
Detection:18333-1-AP 1:300) with K-562 cells  
lysate 2000ug.

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.