

# RAD17 Rabbit Polyclonal Antibody



CAB5359

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

77kDa

### Calculated MW:

57kDa/66kDa/75kDa/77kDa

### Applications:

WB IF IP

### Reactivity:

Human

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IF 1:10 -  
1:100 IP 1:50 - 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein Background

The protein encoded by this gene is highly similar to the gene product of *Schizosaccharomyces pombe* rad17, a cell cycle checkpoint gene required for cell cycle arrest and DNA damage repair in response to DNA damage. This protein shares strong similarity with DNA replication factor C (RFC), and can form a complex with RFCs. This protein binds to chromatin prior to DNA damage and is phosphorylated by the checkpoint kinase ATR following damage. This protein recruits the RAD1-RAD9-HUS1 checkpoint protein complex onto chromatin after DNA damage, which may be required for its phosphorylation. The phosphorylation of this protein is required for the DNA-damage-induced cell cycle G2 arrest, and is thought to be a critical early event during checkpoint signaling in DNA-damaged cells. Multiple alternatively spliced transcript variants of this gene, which encode four distinct protein isoforms, have been reported. Two pseudogenes, located on chromosomes 7 and 13, have been identified.

## Immunogen information

### Gene ID:

5884

### Uniprot

O75943

### Synonyms:

RAD17; CCYC; HRAD17; R24L; RAD17SP; RAD24

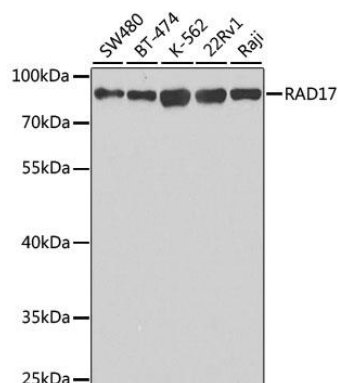
### Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 391-670 of human RAD17 (NP\_002864.1).

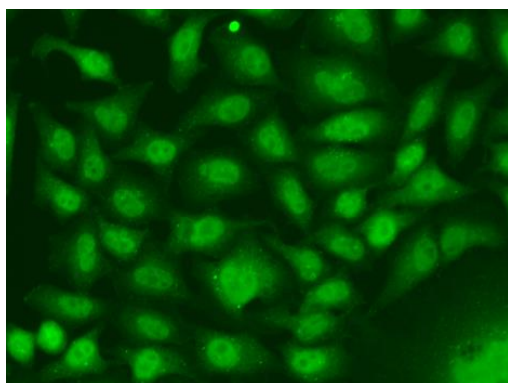
### Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

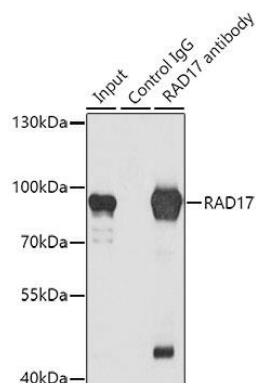
## Product Images



Western blot analysis of extracts of various cell lines, using RAD17 antibody (CAB5359) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 3s.



Immunofluorescence analysis of A549 cells using RAD17 antibody (CAB5359).



Immunoprecipitation analysis of 200ug extracts of K562 cells using 1ug RAD17 antibody (CAB5359). Western blot was performed from the immunoprecipitate using RAD17 antibody (CAB5359) at a dilution of 1:1000.