

# RAD17 Monoclonal antibody

Catalog Number: 68539-1-Ig

## Basic Information

**Catalog Number:**

68539-1-Ig

**Size:**

500 µg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG4348

**GenBank Accession Number:**

BC032304

**GeneID (NCBI):**

5884

**UNIPROT ID:**

O75943

**Full Name:**

RAD17 homolog (S. pombe)

**Calculated MW:**

681 aa, 71 kDa

**Observed MW:**

70-80 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

1F12D8

**Recommended Dilutions:**

WB 1:2000-1:10000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

Human

**Positive Controls:**

WB : LNCaP cells, HeLa cells, HEK-293 cells, Jurkat cells, Raji cells, Daudi cells

## Background Information

Rad17, a component of the checkpoint clamp loader complex (RAD17/RFC), was originally initially identified as a DNA damage checkpoint protein. Rad17 participates in cell cycle control and DNA damage repair. Rad17 phosphorylation by ATR (ataxia telangiectasia mutated and Rad3-related) kinase is indispensable for the recruitment of Claspin and the activation of Chk1 in response to genotoxic stress.

## Storage

**Storage:**

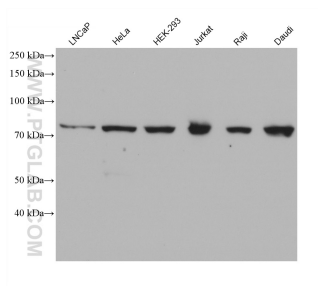
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68539-1-Ig (RAD17 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.