

Anti-Rad17 Polyclonal Antibody

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| CATALOG NO: | 3484R-30T | 30 µg (Trial size) |
| | 3484R-100 | 100 µg |
| HOST: | Rabbit | |
| IMMUNOGEN: | Synthetic peptide surrounding amino acid 645 of human Rad17 (Internal ID#: BV-881) | |
| SPECIES REACTIVITY: | Human, Mouse, Rat | |

FORMULATION:

0.5 mg/ml affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

STORAGE CONDITIONS:

Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/defrost cycles.

BACKGROUND:

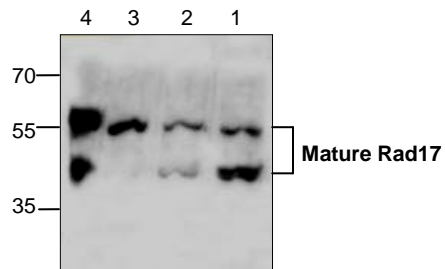
Rad17 is an essential component of cell cycle checkpoints activated by DNA damage and disruption of DNA replication. DNA lesions such as single- and double-strand breaks, inter- and intra-strand cross-links, and base modifications hamper transcription and replication, resulting in cell cycle arrest, apoptosis, and mutagenesis. Phosphorylation of Rad17 at Ser635 and Ser645 is a critical early event during checkpoint signaling in DNA damaged cells.

SPECIFICITY:

The antibody recognizes the mature forms of Rad17 (~55 kDa and ~45 kDa) of human, mouse and rat origins. Reactivity to other species has not been tested.

APPLICATION:

The antibody can be used in Western blotting (0.5-4 µg/ml). However, the optimal concentrations should be determined individually. Blocking peptide (Cat.# 3484RBP-50) is available separately.



Cat. #: 3484R-100

Western blot analysis of Rad 17 expression in Lysates from Jurkat cells (Lane 1, 2), 3T3 cells (Lane 3) and rat kidney (Lane 4).

RELATED PRODUCTS:

Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

Signal Transduction

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- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

Adipocyte & Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

Molecular Biology & Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β -Galactosidase Staining Kit & Luciferase Reporter Assay Kit

Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies