

Datasheet for ABIN655646
anti-RAD17 antibody (AA 218-246)[Go to Product page](#)

2 Images

Overview

Quantity:	400 µL
Target:	RAD17
Binding Specificity:	AA 218-246
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RAD17 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This RAD17 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 218-246 amino acids from the Central region of human RAD17.
Clone:	RB20035
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	RAD17
Alternative Name:	RAD17 (RAD17 Products)
Background:	The protein encoded by this gene is highly similar to the gene product of Schizosaccharomyces

Target Details

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. Eight alternatively spliced transcript variants of this gene, which encode four distinct proteins, have been reported. Two pseudogenes, located on chromosomes 7 and 13, have been identified.

Molecular Weight: 77055

Gene ID: 5884

NCBI Accession: [NP_001265551](#), [NP_002864](#), [NP_579916](#), [NP_579917](#), [NP_579918](#), [NP_579919](#), [NP_579920](#), [NP_579921](#), [NP_579922](#)

UniProt: [O75943](#)

Application Details

Application Notes: WB: 1:1000. FC: 1:10~50

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

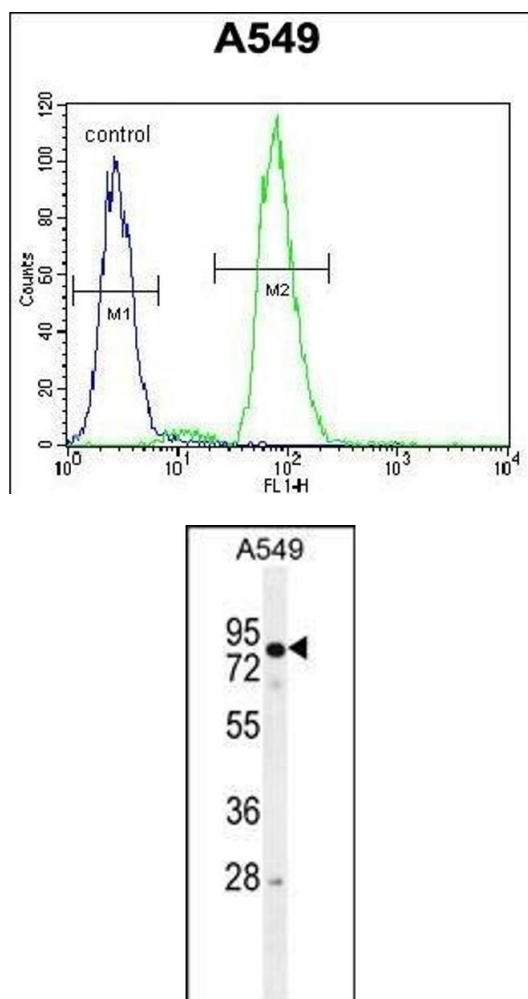
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



Flow Cytometry

Image 1. RAD17 Antibody (Center) (ABIN655646 and ABIN2845122) flow cytometric analysis of A549 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. RAD17 Antibody (Center) (ABIN655646 and ABIN2845122) western blot analysis in A549 cell line lysates (35 µg/lane). This demonstrates the RAD17 antibody detected the RAD17 protein (arrow).