



Catalog: OM105162

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# Rabbit anti-RAD17 polyclonal antibody - C-terminal region

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☐ 100ug

## Product profile

Product name	Rabbit anti-RAD17 polyclonal antibody - C-terminal region
Antibody Type	Primary Antibodies
Immunogen	The immunogen for anti-RAD17 antibody: synthetic peptide directed towards the C terminal of human RAD17

## Key Feature

Clonality	Polyclonal
Isotype	IgG
Host Species	Rabbit
Tested Applications	WB
Species Reactivity	Bovine Dog Human Mouse Pig Rat
Concentration	1 mg/ml
Purification	Protein A

## Target Information

Gene Symbol	RAD17
Gene Synonyms	CCYC; HRAD17; R24L; RAD17Sp; Rad24; RAD24; RAD17SP
Gene Full Name	RAD17 homolog (S. pombe)
Gene Summary	<p>RAD17 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 ATR after the damage. This protein recruits the RAD1-RAD9-HUS1 checkpoint protein complex onto chromatin after DNA damage, which may be required for its phosphorylation. 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</p>

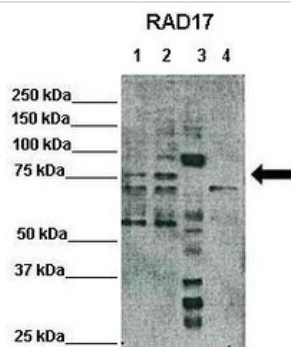
damage repair in response to DNA damage. This protein shares strong similarity with DNA replication factor C (RFC), and can form a complex with RFCs. This protein binds to chromatin prior to DNA damage and is phosphorylated by ATR after the damage. This protein recruits the RAD1-RAD9-HUS1 checkpoint 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.

<b>Alternative Names</b>	CCYC, HRAD17, R24L, RAD17Sp, Rad24, RAD24, RAD17SP
<b>Molecular Weight(MW)</b>	66kDa
<b>Sequence</b>	584 amino acids

## Database Links

<b>Entrez Gene</b>	5884
<b>SwissProt ID</b>	O75943-4
<b>Protein Accession</b>	NP_579919

## Application



### Western blot

Positive Control: Lane1: 25ug Hela lysate, Lane2: 25ug HEK293T lysate, Lane3: 25ug Xenopus laevis egg extract, Lane4: 25ug mouse embryonic stem cells lysate  
Primary Antibody Dilution : 1:500  
Secondary Antibody : Anti-rabbit-HRP  
Secondary Antibody Dilution : 1:3000  
Submitted by: Domenico Maiorano, Institute of Human Genetics, CNRS



### Western blot

1.25ug/ml  
ELISA Titer: 1:62500  
Positive Control: Jurkat cell lysate

**Application Notes** WB:1:500~1:2000

**Notes:**Optimal dilutions/concentrations should be determined by the researcher.

## Additional Information

<b>Form</b>	Liquid
<b>Storage Instructions</b>	Aliquot and store at -20°C. Avoid repeated freeze / thaw cycles
<b>Storage Buffer</b>	phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Note</b>	The product is for research use only,not for use in diagnostic or therapeutic procedures.

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This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt

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