

## Product datasheet for **TA361251**

### **RAD17 Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human RAD17
Specificity:	<b>Expected reactivity:</b> Human
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	74 kDa
Gene Name:	RAD17 checkpoint clamp loader component
Database Link:	<a href="#">NP_001265551.1</a> <a href="#">Entrez Gene 5884 Human</a> <a href="#">O75943</a>



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**Background:**

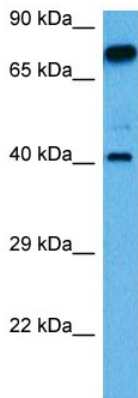
The protein encoded by this gene is highly similar to the gene product of *Schizosaccharomyces pombe rad17*, a cell cycle checkpoint gene required for cell cycle arrest and DNA damage repair in response to DNA damage. This protein shares strong similarity with DNA replication factor C (RFC), and can 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.

**Synonyms:**

CCYC; FLJ41520; HRAD17; OTTHUMP00000125192; R24L; RAD17Sp; Rad24

**Protein Families:**

Druggable Genome

**Product images:**

Host: Rabbit

Target Name: RAD17

Sample Type: Mesenchymoma Tumor Lysate

Antibody Dilution: 1.0 $\mu$ g/ml

Host: Rabbit

Target Name: RAD17

Sample Tissue: Human Mesenchymoma Tumor lysates

Antibody Dilution: 1 $\mu$ g/ml