

## Product datasheet for **TA392711M**

### **RAD17 Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500~1:1000 IHC: 1:50~1:200
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 611-660 of Human Rad17.
Specificity:	Rad17 (A639) polyclonal antibody detects endogenous levels of Rad17 protein.
Formulation:	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Concentration:	1mg/ml
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Stability:	1 year
Predicted Protein Size:	~ 80 kDa
Gene Name:	RAD17 checkpoint clamp loader component
Database Link:	<a href="#">Entrez Gene 5884 Human O75943</a>
Background:	DNA damage results in the arrest of cell cycle progression, allowing the damaged DNA to be repaired prior to replication. Checkpoints exist at several cell cycle phase transitions to maintain this genetic integrity. Rad9, Rad17, Rad24 and Mec3 are involved in activating the G1 and G2 checkpoints. Pol2 (also known as Dun2), encoding the catalytic subunit of DNA polymerase epsilon, plays a role in activating the S phase checkpoint. The protein kinase Rad53 (also designated Spk1, Mec2 or Sad1) is essential for both G2 and S phase arrest. Activation of Rad53 is regulated by Mec1 (also known as Esr1 and Sad3), a homolog of the human ATM protein. Pds1 and Mad2 both regulate checkpoints associated with incomplete spindle replication. Dun1, another protein kinase, plays a role in transducing the DNA damage signal.

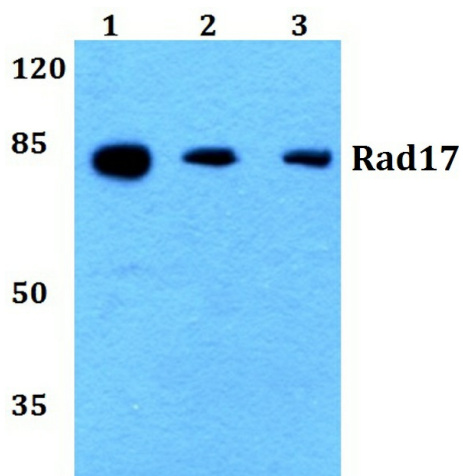


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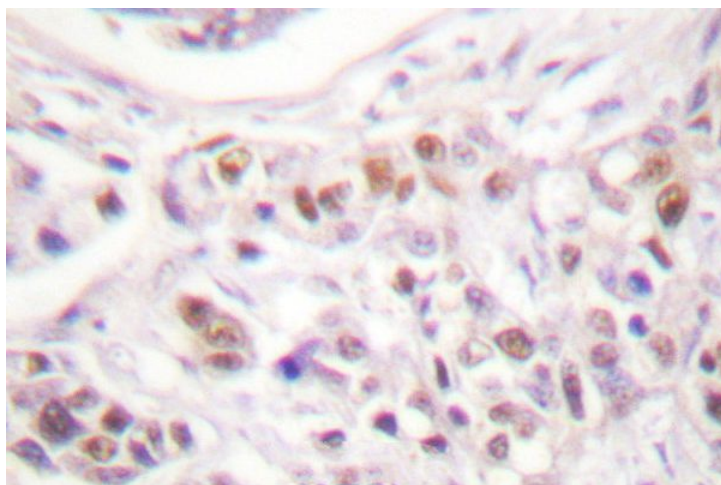
**Synonyms:** Cell cycle checkpoint protein RAD17; hRad17; R24L; RAD17; RF-C/activator 1 homolog

**Note:** For research use only, not for use in diagnostic procedure.

**Product images:**



Western blot (WB) analysis of Rad17 (A639) pAb at 1:500 dilution Lane1:SGC7901 whole cell lysate(20ug) Lane2:HCT116 whole cell lysate(20ug) Lane3:C6 whole cell lysate(40ug) Lane4:CT26 whole cell lysate(40ug)



Immunohistochemistry (IHC) analysis of Rad17 (A639) pAb in paraffin-embedded human breast carcinoma tissue.