

# Product datasheet for TA392771

## **RAD50 Rabbit Polyclonal Antibody**

#### **Product data:**

#### OriGene Technologies, Inc.

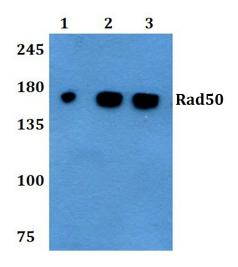
9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

ApplicationWBApplicationWB: 1:500-1:1000 IHC: 1:50-1:200Reactivity:Human, Mouse, RatHost:RabbitIsotype:IgGClonality:PolyclonalImmunogen:Synthetic peptide, corresponding to amino acids 670-722 of Human Rad50.Specificity:Rad50 (A708) polyclonal antibody detects endogenous levels of Rad50 protein.Formulation:Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2Concentration:Img/mlConjugatedStore at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.Stability:1 yearPredicted Protein Size:~153 kDaGene Name:RAD50 double strand break repair proteinDatabase Link:Entrez Gene 10111 Human Oya2878Background:Rad52 family members (Rad50, Rad51B/C/D, Rad52, Rad54, MRE11) mediate DNA double strand break repair (DSBR) for DNA damage that otherwise could cause cell death, mutation or neoplastic transformation. Rad51 (RECA, BRCC5) interacts with BRCA1 and BRCA2 to infuence subcellular localization and cellular response to DNA damage. BRCA2 inactivation may be a key event leading to genomic instability and tumorigenesis from deregulation of Rad51. Rad52 forms a heptameric ring that bindis single-stranded DNA ends and catalyzes DNA-DNA interaction necessary for the annealing of complementary strands.Synonyms:DNA repair protein RAD50; RAD50; RAD50		
r.Recommended DilutoiWB: 1:500-1:1000 IHC: 1:50-1:200Reactivity:Human, Mouse, RatHost:RabbitIsotype:IgGClonality:PolyclonalImmunogen:Synthetic peptide, corresponding to amino acids 670-722 of Human Rad50.Specificity:Rad50 (A708) polyclonal antibody detects endogenous levels of Rad50 protein.Formulation:Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2Concentration:UnconjugatedStorage:Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.Stability:1 yearPredicted Protein Size:RAD50 double strand break repair proteinDatabase Link:Rad52 family members (Rad50, Rad51B/C/D, Rad52, Rad54, MRE11) mediate DNA double- strand break repair (DSBR) for DNA damage that otherwise could cause cell death, mutation or neoplastic transformation. Rad51 (RECA, BRCC5) Interacts with BRCA1 and BRCA2 in activation may be a key event leading to genomic instability and tumorigenesis from deregulation of mad51. Rad52 forms a heptameric ring that binds single-stranded DNA endage. BRCA2 in activation may be a key event leading to genomic instability and tumorigenesis from deregulation of mad51. Rad52 forms a heptameric ring that binds single-stranded DNA endag actalyzes DNA-DNA interaction necessary for the annealing of complementary strands.Synonyms:DNA repair protein RAD50; hRAD50; RAD50	Product Type:	Primary Antibodies
Reactivity:Human, Mouse, RatHost:RabbitHost:RabbitIsotype:IgGClonality:PolyclonalImmunogen:Synthetic peptide, corresponding to amino acids 670-722 of Human Rad50.Specificity:Rad50 (A708) polyclonal antibody detects endogenous levels of Rad50 protein.Formulation:Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2Concentration:1mg/mlConjugation:UnconjugatedStorage:Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.Stability:1 yearPredicted Protein Size:-153 kDaGene Name:RAD50 double strand break repair proteinDatabase Link:Rad52 family members (Rad50, Rad51B/C/D, Rad52, Rad54, MRE11) mediate DNA double- strand break repair (DSBR) for DNA damage that otherwise could cause cell death, mutation or neoplastic transformation. Rad51 (RECA, BRCC5) Interacts with BRCA1 and BRCA2 in activation may be a key event leading to genomic instability and tumorigenesis from deregulation of Rad51. Rad52 forms a heptameric ring that binds single-stranded DNA endas ad catalyzes DNA-DNA interaction necessary for the annealing of complementary strands.	Applications:	WB
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Natas Estimates and see and familiar in discuss at is more address.	Synonyms:	DNA repair protein RAD50; hRAD50; RAD50
<b>Note:</b> For research use only, not for use in diagnostic procedure.	Note:	For research use only, not for use in diagnostic procedure.



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### **Product images:**



Western blot (WB) analysis of Rad50 (A708) polyclonal antibody at 1:500 dilution Lane1:786-O whole cell lysate(40ug) Lane2:U-87MG whole cell lysate(40ug) Lane3:SGC-7901 whole cell lysate(40ug) Lane4:SK-OVCAR3 whole cell lysate(40ug) Lane5:The Testis tissue lysate of Mouse(40ug) Lane6:The Testis tissue lysate of Rat(40ug) Lane7:C6 whole cell lysate(40ug)

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