

#### OriGene Technologies, Inc.

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# Product datasheet for TA362491

## **RAD51 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 RAD51
Specificity:	Expected reactivity: Human
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. Note that this product is shipped as lyophilized powder to China customers.
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:	37 kDa
Gene Name:	RAD51 recombinase
Database Link:	<u>NP_001157741.1</u> <u>Entrez Gene 5888 Human</u> <u>Q06609</u>

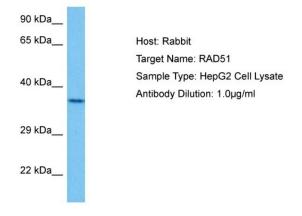


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# SAD51 Rabbit Polyclonal Antibody – TA362491

Background:	The protein encoded by this gene is a member of the RAD51 protein family. RAD51 family members are highly similar to bacterial RecA and Saccharomyces cerevisiae Rad51, and are known to be involved in the homologous recombination and repair of DNA. This protein can interact with the ssDNA-binding protein RPA and RAD52, and it is thought to play roles in homologous pairing and strand transfer of DNA. This protein is also found to interact with BRCA1 and BRCA2, which may be important for the cellular response to DNA damage. BRCA2 is shown to regulate both the intracellular localization and DNA-binding to genomic instability and tumorigenesis. Multiple transcript variants encoding different isoforms have been found for this gene.
Synonyms:	BRCC5; HRAD51; HsRad51; HsT16930; RAD51A; RAD51D; RAD51L3; RECA
Protein Families:	Druggable Genome, Stem cell - Pluripotency, Transcription Factors
Protein Pathways:	Homologous recombination, Pancreatic cancer, Pathways in cancer

### **Product images:**



Host: Rabbit Target Name: RAD51 Sample Tissue: Human HepG2 Whole Cell lysates Antibody Dilution: 1ug/ml

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