

## Product datasheet for **TA355488**

### **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 N-terminal region of Human RAD51
Specificity:	<b>Expected reactivity:</b> Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat <b>Homology:</b> Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 94%; Human: 100%; Mouse: 100%; Rabbit: 94%; Rat: 100%
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:	37kDa
Gene Name:	RAD51 recombinase
Database Link:	<a href="#">Entrez Gene 5888 Human Q06609</a>



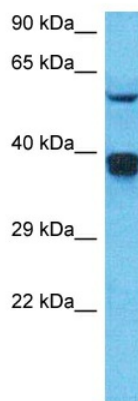
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**Background:**

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 ability of this protein. Loss of these controls following BRCA2 inactivation may be a key event leading to genomic instability and tumorigenesis. Multiple transcript variants encoding different isoforms have been found for this gene.

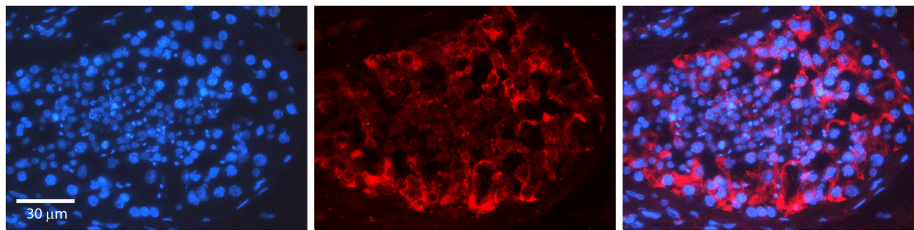
**Synonyms:**

BRCC5; HRAD51; HsRad51; HsT16930; RAD51A; RAD51D; RAD51L3; RECA

**Product images:**


Host: Rabbit  
 Target Name: RAD51  
 Sample Tissue: HepG2 Cell Lysate  
 Antibody Dilution: 1.0µg/ml

Host: Rabbit  
 Target Name: RAD51  
 Sample Type: HepG2 Whole Cell lysates  
 Antibody Dilution: 1.0µg/ml



Rabbit Anti-RAD51 Antibody  
 Catalog Number: TA355488  
 Formalin Fixed Paraffin Embedded Tissue:  
 Human Testis Tissue  
 Observed Staining: Cytoplasm  
 Primary Antibody Concentration: 1:100  
 Other Working Concentrations: N/A  
 Secondary Antibody: Donkey anti-Rabbit-Cy3  
 Secondary Antibody Concentration: 1:200  
 Magnification: 20X  
 Exposure Time: 0.5–2.0 sec