

## Product datasheet for **TA362659**

### Rad51L1 (RAD51B) 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 RAD51L1
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:	38 kDa
Gene Name:	RAD51 paralog B
Database Link:	<a href="#">NP_002868.1</a> <a href="#">Entrez Gene 5890 Human</a> <a href="#">O15315-1</a>



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**Background:**

The protein encoded by this gene is a member of the RAD51 protein family. RAD51 family members are evolutionarily conserved proteins essential for DNA repair by homologous recombination. This protein has been shown to form a stable heterodimer with the family member RAD51C, which further interacts with the other family members, such as RAD51, XRCC2, and XRCC3. Overexpression of this gene was found to cause cell cycle G1 delay and cell apoptosis, which suggested a role of this protein in sensing DNA damage. Rearrangements between this locus and high mobility group AT-hook 2 (HMGA2, GeneID 8091) have been observed in uterine leiomyomata.

**Synonyms:**

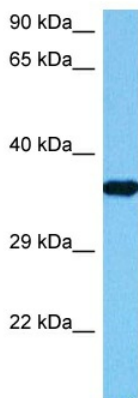
R51H2; RAD51L1; REC2

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Homologous recombination

**Product images:**

Host: Rabbit  
Target Name: RAD51L1  
Sample Type: MCF7 Cell Lysate  
Antibody Dilution: 1.0µg/ml

Host: Rabbit  
Target Name: RAD51L1  
Sample Tissue: Human MCF7 Whole Cell lysates  
Antibody Dilution: 1ug/ml