

## Product datasheet for **TA343160**

### **RAD51D Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-RAD51D antibody is: synthetic peptide directed towards the C-terminal region of Human RAD51D. Synthetic peptide located within the following region: RLKPALGRSWSFVPSTRILLDTIEGAGASGGRRMACLAKSSRQPTGFQEM
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>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	34 kDa
Gene Name:	RAD51 paralog D
Database Link:	<a href="#">NP_002869</a> <a href="#">Entrez Gene 5892 Human</a> <a href="#">O75771</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, which are known to be involved in the homologous recombination and repair of DNA. This protein forms a complex with several other members of the RAD51 family, including RAD51L1, RAD51L2, and XRCC2. The protein complex formed with this protein has been shown to catalyze homologous pairing between single- and double-stranded DNA, and is thought to play a role in the early stage of recombinational repair of DNA. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the downstream ring finger and FYVE-like domain containing 1 (RFFL) gene.

**Synonyms:**

BROVCA4; R51H3; RAD51L3; TRAD

**Note:**

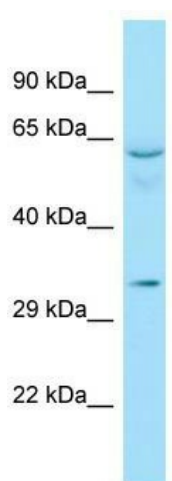
Immunogen Sequence Homology: Human: 100%; Dog: 79%; Pig: 79%; Mouse: 79%

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Homologous recombination

**Product images:**

WB Suggested Anti-RAD51D Antibody; Titration:  
1.0 ug/ml; Positive Control: Fetal Stomach