

**RAD51D Antibody - C-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI14690****Specification**

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**RAD51D Antibody - C-terminal region - Product Information**

Application	WB
Primary Accession	<a href="#">O75771</a>
Other Accession	<a href="#">NM_002878</a> , <a href="#">NP_002869</a>
Reactivity	Human, Mouse, Pig, Dog
Predicted	Human, Mouse, Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34kDa KDa

**RAD51D Antibody - C-terminal region - Additional Information****Gene ID** 5892**Alias Symbol** HsTRAD, R51H3, RAD51D, Trad, TRAD, BROVCA4, RAD51L3**Other Names**

DNA repair protein RAD51 homolog 4, R51H3, RAD51 homolog D, RAD51-like protein 3, TRAD, RAD51D, RAD51L3

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-RAD51D antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

RAD51D Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**RAD51D Antibody - C-terminal region - Protein Information****Name** RAD51D**Synonyms** RAD51L3**Function**

Involved in the homologous recombination repair (HRR) pathway of double-stranded DNA breaks arising during DNA replication or induced by DNA-damaging agents. Bind to single-stranded DNA (ssDNA) and has DNA-dependent ATPase activity. Part of the RAD51 paralog protein complex BCDX2 which acts in the BRCA1-BRCA2-dependent HR pathway. Upon DNA damage, BCDX2 acts downstream of BRCA2 recruitment and upstream of RAD51 recruitment. BCDX2 binds

predominantly to the intersection of the four duplex arms of the Holliday junction and to junction of replication forks. The BCDX2 complex was originally reported to bind single-stranded DNA, single-stranded gaps in duplex DNA and specifically to nicks in duplex DNA. Involved in telomere maintenance. The BCDX2 subcomplex XRCC2:RAD51D can stimulate Holliday junction resolution by BLM.

**Cellular Location**

Nucleus. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Chromosome, telomere

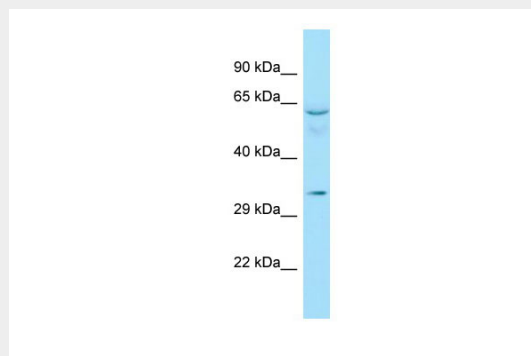
**Tissue Location**

Expressed in colon, prostate, spleen, testis, ovary, thymus and small intestine. Weakly expressed in leukocytes

**RAD51D Antibody - C-terminal region - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**RAD51D Antibody - C-terminal region - Images**

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

**RAD51D Antibody - C-terminal region - References**

Cartwright R., et al. Nucleic Acids Res. 26:1653-1659(1998).  
Pittman D.L., et al. Genomics 49:103-111(1998).  
Kawabata M., et al. Biochem. Biophys. Res. Commun. 257:156-162(1999).  
Ota T., et al. Nat. Genet. 36:40-45(2004).  
Zody M.C., et al. Nature 440:1045-1049(2006).