

RAD51L1 Antibody (N-Term)
Peptide-affinity purified goat antibody
Catalog # AF2286a**Specification**

RAD51L1 Antibody (N-Term) - Product Information

Application	Pep-ELISA
Primary Accession	O15315
Other Accession	NP_002868.1 , NP_598194.1 , NP_598193.2 , 5890
Predicted	Human, Pig, Cow
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	42196

RAD51L1 Antibody (N-Term) - Additional Information**Gene ID** 5890**Other Names**

DNA repair protein RAD51 homolog 2, R51H2, RAD51 homolog B, Rad51B, RAD51-like protein 1, RAD51B, RAD51L1, REC2

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

RAD51L1 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

RAD51L1 Antibody (N-Term) - Protein Information**Name** RAD51B**Synonyms** RAD51L1, REC2**Function**

Involved in the homologous recombination repair (HRR) pathway of double-stranded DNA breaks arising during DNA replication or induced by DNA-damaging agents. May promote the assembly of presynaptic RAD51 nucleoprotein filaments. Binds single-stranded DNA and double-stranded DNA 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. The BCDX2 subcomplex RAD51B:RAD51C exhibits single-stranded DNA-dependent ATPase activity suggesting an involvement in early stages of the HR pathway.

Cellular Location

Nucleus.

Tissue Location

Expressed in a wide range of tissues.

RAD51L1 Antibody (N-Term) - 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](#)

RAD51L1 Antibody (N-Term) - Images**RAD51L1 Antibody (N-Term) - Background**

This antibody is expected to recognise all three human isoforms of this protein.

RAD51L1 Antibody (N-Term) - References

Identification of a novel human RAD51 homolog, RAD51B. Albala JS, Thelen MP, Prange C, Fan W, Christensen M, Thompson LH, Lennon GG. Genomics. 1997 Dec 15;46(3):476-9. PMID: 9441753