

Rabbit anti-Human RAD51L3 Polyclonal Antibody | anti-RAD51L3 antibody

RAD51L3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324315	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

RAD51L3; Polyclonal Antibody; RAD51L3 Antibody; BROVCA4; DNA repair protein RAD51 homolog 4; HsTRAD; OTTHUMP00000163851; OTTHUMP00000163852; OTTHUMP00000163853; R51H3; RA51D_HUMAN; RAD51 homolog D (S. cerevisiae); RAD51 homolog D; RAD51 like 3 (S. cerevisiae); RAD51 paralog D; RAD51; S. cerevisiae; homolog of; D; RAD51-like protein 3; Rad51I3; Recombination repair protein; S. cerevisiae RAD51-like 3; TRAD; anti-RAD51L3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	RAD51L3 antibody detects endogenous levels of total RAD51L3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	348
Applicable Applications for anti-RAD51L3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoskeleton; Nucleus
Tissue Specificity	Expressed in colon, prostate, spleen, testis, ovary, thymus and small intestine. Weakly expressed in leukocytes.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from Jurkat cells, using RAD51L3 antibody.



IF (Immunofluorescence)

AAA324315 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-RAD51L3 antibody	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 Rad21 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. Subunit Structure: Part of the BCDX2 complex consisting of RAD51B, RAD51C, RAD51D and XRCC2; the complex has a ring-like structure arranged into a flat disc around a central channel. In the absence of DNA, the BCDX2 subcomplex XRCC2:RAD51D formed a multimeric ring structure; in the presence of single-stranded DNA it formed a filamentous structure with the ssDNA. Interacts with SWSAP1 and ZSWIM7; involved in homologous recombination repair. Interacts with BLM; required for stimulation of BLM activity by the BCDX2 subcomplex XRCC2:RAD51D. Similarity: Belongs to the RecA family. RAD51 subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	217272816
NCBI GeneID	5892
NCBI Accession #	NP_001136043.1
NCBI GenBank Nucleotide #	NM_001142571.1
UniProt Accession #	O75771; O43537; O60355; O75196; O75847; O75848; O76073; O76085; O94908; Q9UFU5; B4DJU7; E1P637
Molecular Weight	Observed: 40 kD Predicted: 36 kDa
NCBI Official Full Name	DNA repair protein RAD51 homolog 4 isoform 6
NCBI Official Synonym Full Names	RAD51 paralog D
NCBI Official Symbol	RAD51D
NCBI Official Synonym Symbols	TRAD; R51H3; BROVCA4; RAD51L3
NCBI Protein Information	DNA repair protein RAD51 homolog 4
UniProt Protein Name	DNA repair protein RAD51 homolog 4
UniProt Gene Name	RAD51D
UniProt Synonym Gene Names	RAD51L3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/rad51l3-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324315>