

Immunotag™ RAD51L1 Antibody

Antibody Specification	
Catalog No.	ITA4510
Product Description	Immunotag™ RAD51L1 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	RAD51L1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,IF/ICC,ELISA
Recommended Dilution	WB 1:500~1:1000 IHC: 1:50~1:200, IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	A synthesized peptide
Specificity	RAD51L1 Antibody detects endogenous levels of total RAD51L1
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	RAD51B
Accession No.	O15315
Alternate Names	DNA repair protein RAD51 homolog 2; hREC2; MGC34245; OTTHUMP00000212251; OTTHUMP00000212253; OTTHUMP00000212254; OTTHUMP00000212255; R51H2; RA51B_HUMAN; RAD51 homolog B (S. cerevisiae); RAD51 homolog B; RAD51 like 1; RAD51 like protein 1; RAD51-like protein 1; Rad51B; RAD51L1; REC2; RecA like protein; Recombination repair protein;

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Description	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 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. The BCDX2 subcomplex RAD51B:RAD51C exhibits single-stranded DNA-dependent ATPase activity suggesting an involvement in early stages of the HR pathway.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	45 KD
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.