

Immunotag™ RAD51L3 Antibody

Antibody Specification	
Catalog No.	ITA4511
Product Description	Immunotag™ RAD51L3 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	RAD51L3
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IF/ICC,ELISA
Recommended Dilution	WB 1:500~1:1000, IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Rabbit
Immunogen	A synthesized peptide
Specificity	RAD51L3 Antibody detects endogenous levels of total RAD51L3
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	RAD51D
Accession No.	O75771
Alternate Names	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;

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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. 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.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	40 KD
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.