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Immunotag™ Rad54B Polyclonal Antibody

Antibody Specification

Catalog No.	ITT3971
Product Description	Immunotag™ Rad54B Polyclonal Antibody
Size	50 µg, 100 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	Rad54B
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	IHC-p,ELISA
Recommended Dilution	Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Rabbit
Immunogen	The antiserum was produced against synthesized peptide derived from human RAD54B. AA range:241-290
Specificity	Rad54B Polyclonal Antibody detects endogenous levels of Rad54B protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	RAD54B
Accession No.	Q9Y620 Q6PFE3
Alternate Names	RAD54B; DNA repair and recombination protein RAD54B; RAD54 homolog B

Antibody Specification

Description	The RAD54 homolog B encoded by RAD54B belongs to the DEAD-like helicase superfamily. It shares similarity with Saccharomyces cerevisiae RAD54 and RDH54, both of which are involved in homologous recombination and repair of DNA. This protein binds to double-stranded DNA, and displays ATPase activity in the presence of DNA. This gene is highly expressed in testis and spleen, which suggests active roles in meiotic and mitotic recombination. Homozygous mutations of this gene were observed in primary lymphoma and colon cancer.
Cell Pathway/ Category	Homologous recombination,
Protein Function	M phase, double-strand break repair via homologous recombination, recombinational repair, DNA metabolic process,DNA repair, double-strand break repair, DNA recombination, mitotic recombination, response to DNA damage stimulus,cell cycle, meiosis, meiosis I, reciprocal meiotic recombination, response to radiation, response to abiotic stimulus,response to ionizing radiation, cell cycle process, cell cycle phase, cellular response to stress, response to drug,regulation of transcription, meiotic cell cycle, M phase of meiotic cell cycle,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.