

Immunotag™ Rad52 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT3969
Product Description	Immunotag™ Rad52 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	Rad52
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,IF,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	The antiserum was produced against synthesized peptide derived from human RAD52. AA range:70-119
Specificity	Rad52 Polyclonal Antibody detects endogenous levels of Rad52 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	RAD52
Accession No.	P43351 P43352
Alternate Names	RAD52; DNA repair protein RAD52 homolog

Antibody Specification

Description	RAD52 homolog, DNA repair protein(RAD52) Homo sapiens The protein encoded by this gene shares similarity with Saccharomyces cerevisiae Rad52, a protein important for DNA double-strand break repair and homologous recombination. This gene product was shown to bind single-stranded DNA ends, and mediate the DNA-DNA interaction necessary for the annealing of complementary DNA strands. It was also found to interact with DNA recombination protein RAD51, which suggested its role in RAD51 related DNA recombination and repair. A pseudogene of this gene is present on chromosome 2. Alternative splicing results in multiple transcript variants. Additional alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq, Jul 2014],
Cell Pathway/ Category	Homologous recombination,
Protein Expression	Amygdala,Brain,Embryonal rhabdomyosarcoma,Hippocampus,PCR rescued c
Subcellular Localization	nucleus,nucleoplasm,protein complex,
Protein Function	function:Involved in double-stranded break repair. Plays a central role in genetic recombination and DNA repair by promoting the annealing of complementary single-stranded DNA and by stimulation of the RAD51 recombinase.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the RAD52 family.,subunit:Forms a undecameric ring.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.