RAD52 Conjugated Antibody

Catalog No: #C37023

Package Size: #C37023-AF350 100ul #C37023-AF405 100ul #C37023-AF488 100ul #C37023-AF555 100ul #C37023-AF594 100ul #C37023-AF647 100ul #C37023-AF680 100ul #C37023-AF750 100ul #C37023-Biotin 100ul

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Description

Product Name	RAD52 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total RAD52 protein.
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human RAD52 homolog (S. cerevisiae)
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	RAD52; RAD52 homolog (S. cerevisiae); recombination protein RAD52;
Accession No.	Swiss-Prot#:P43351NCBI Gene ID:5893NCBI Protein#:NP_602296
Uniprot	P43351
GeneID	5893;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	46
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

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.

Note: This product is for in vitro research use only