Rad51 Conjugated Antibody

Catalog No: #C49686

Package Size: #C49686-AF350 100ul #C49686-AF405 100ul #C49686-AF488 100ul #C49686-AF555 100ul #C49686-AF594 100ul #C49686-AF647 100ul #C49686-AF680 100ul #C49686-AF750 100ul #C49686-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	Rad51 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	BRCA1/BRCA2 containing complex, subunit 5 antibody BRCC 5 antibody BRCC5 antibody DNA repair protein RAD51 homolog 1 antibody DNA repair protein rhp51 antibody FANCR antibody hRAD51 antibody HsRAD51 antibody HsT16930 antibody MRMV2 antibody Rad 51 antibody RAD51 antibody RAD51 homolog (RecA homolog, E. coli) (S. cerevisiae) antibody RAD51 homolog A antibody RAD51 homolog antibody RAD51 recombinase antibody RAD51, S. cerevisiae, homolog of antibody RAD51_HUMAN antibody RAD51A antibody RECA antibody RecA like protein antibody RecA, E. coli, homolog of antibody Recombination protein A antibody
Accession No.	Swiss-Prot#:Q06609
Uniprot	Q06609
GeneID	5888;
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	37 kDa
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

Rad51 (RECA, BRCC5) interacts with BRCA1 and BRCA2 to influence subcellular localization and cellular response to DNA damage. BRCA2 inactivation may be a key event leading to genomic instability and tumorigenesis from deregulation of Rad51. Rad52 forms a heptameric ring that binds single-stranded DNA ends and catalyzes DNA-DNA interaction necessary for the annealing of complementary strands. Rad52 can interact with Rad51. Rad54A of the DEAD-like helicase superfamily binds to double-strand DNA and induces a DNA topological change, which is thought to facilitate homologous DNA pairing and stimulate DNA recombination. Rad54B of the DEAD-like helicase superfamily binds to double-stranded DNA and displays ATPase activity in the presence of DNA. Rad54B is abundant in testis and spleen, and mutations of this gene occur in primary lymphoma and colon cancer. MRE11 (meiotic recombination 11, ATLD, HNGS1) is a nuclear 3oΩ½oΩ½-5oΩ½oΩ½ exonuclease/endonuclease that associates with Rad50 and influences homologous recombination, telomere length maintenance, and DNA double-strand break repair. MRE11 is most abundant in proliferating tissues.

Note: This product is for in vitro research use only