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Built Around Immunology

Anti-Rad51 Rabbit mAb [69H64]

Catalog No.: A52289

Basic Information

Catalog No. (Cat.No.)	A52289
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IP,IF,ELISA
Synonyms	Rad51,RAD51 recombinase,D5S214,DSS1

Product Information

Target	Rad51
Molecular Weight(Calculated)	37 kDa
Molecular Weight(Observed)	37 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	69H64
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:1000-1:5000
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	RAD51 recombinase
Gene Name	*RAD51*
Domain	NA
Background	RAD51 (RAD51 recombinase) belongs to recombinase family and executes homologous-recombination repair of DNA double-strand breaks to safeguard genome stability. Upon double-strand break formation, RAD51 is recruited to lesion sites, displaces RPA on single-stranded DNA and assembles nucleoprotein filaments that drive homologous strand-exchange for HR-mediated repair. RAD51 serves as central HR effector and contributes to DNA-damage response and meiotic recombination. BRCA1-BRCA2 facilitates RAD51 loading; BRCA-deficient tumors exhibit impaired RAD51 foci formation.