

anti-Human Rad51 Monoclonal Antibody | anti-Rad51 antibody

Rad51 Rabbit mAb

CATALOG # AAA314567	HOST Recombinant Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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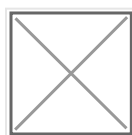
PRODUCT SYNONYMS

Rad51; Monoclonal Antibody; Rad51 Rabbit mAb; RECA; BRCC5; FANCR; MRMV2; HRAD51; RAD51A; HsRad51; HsT16930; anti-Rad51 antibody

PRODUCT SPECIFICATIONS

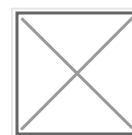
Host	Recombinant Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Clone Number	S04-3C6
Purity/Purification	Affinity Purified
Form/Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration	0.3mg/ml (varies by lot)
Applicable Applications for anti-Rad51 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human Rad51
Conjugation	Unconjugated
Modification	Unmodification
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of Rad51 in paraffin-embedded Human tonsil using Rad51 Rabbit mAb at dilution 1/50



WB (Western Blot)

Western blot detection of Rad51 in A549,HL-60,U2OS cell lysates using Rad51 Rabbit mAb(1:1000 diluted).Predicted band size:37kDa.Observed band size:37kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-Rad51 antibody

The protein encoded by this gene is a member of the RAD51 protein family. RAD51 family members are highly similar to bacterial RecA and *Saccharomyces cerevisiae* Rad51, and are known to be involved in the homologous recombination and repair of DNA. This protein can interact with the ssDNA-binding protein RPA and RAD52, and it is thought to play roles in homologous pairing and strand transfer of DNA. This protein is also found to interact with BRCA1 and BRCA2, which may be important for the cellular response to DNA damage. BRCA2 is shown to regulate both the intracellular localization and DNA-binding ability of this protein. Loss of these controls following BRCA2 inactivation may be a key event leading to genomic instability and tumorigenesis. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2009]

Product Categories/Family for anti-Rad51 antibody	Primary Antibody
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NCBI AND UNIPROT INFORMATION

NCBI GI #	256017143
NCBI GeneID	5888
NCBI Accession #	NP_001157741.1
NCBI GenBank Nucleotide #	NM_001164269.1
UniProt Accession #	Q06609; Q6FHX9; Q6ZNA8; Q9BV60; B0FXP0; B2R8T6
Molecular Weight	36,966 Da
NCBI Official Full Name	DNA repair protein RAD51 homolog 1 isoform 2
NCBI Official Synonym Full Names	RAD51 homolog (S. cerevisiae)
NCBI Official Symbol	RAD51
NCBI Official Synonym Symbols	RECA; BRCC5; MRMV2; HRAD51; RAD51A; HsRad51; HsT16930
NCBI Protein Information	DNA repair protein RAD51 homolog 1; RAD51 homolog A; RecA-like protein; recombination protein A; RecA, E. coli, homolog of; BRCA1/BRCA2-containing complex, subunit 5
UniProt Protein Name	DNA repair protein RAD51 homolog 1
UniProt Gene Name	RAD51
UniProt Synonym Gene Names	RAD51A; RECA; HsRAD51; hRAD51
UniProt Entry Name	RAD51_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.