Recombinant DGRmAb®

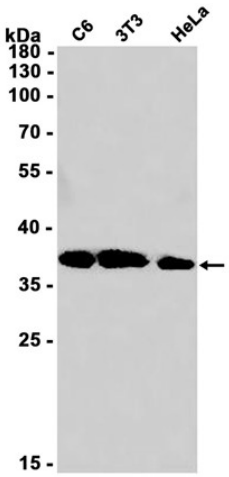
Rad51 (DGR18573) Rabbit mAb

db12015 **Package : 10μL 20μL 50μL 100μL**

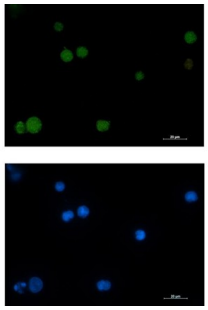
Product Name : Rad51 (DGR18573) Rabbit mAb
Cat.No.: db12015
Synonyms : RECA; BRCC5; FANCR; MRMV2; HRAD51; RAD51A; HsRad51; HsT16930
Application : WB, IHC-P, ICC/IF, FC, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	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]
Immunogen	A synthetic peptide of human Rad51
Gene ID	5888
Swiss Prot	Q06609
Synonyms	RECA; BRCC5; FANCR; MRMV2; HRAD51; RAD51A; HsRad51; HsT16930
Reactivity	Human,Mouse,Rat
Application	WB, IHC-P, ICC/IF, FC, IP
Recommended dilution	WB: 1:2000-1:20000 IHC-P: 1:100-1:500 ICC/IF: 1:500-1:1000 FC: 1:100-1:1000 IP: 1:10-1:100
Calculated MW	37 kDa
Observed MW	37 kDa

Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR18573
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot analysis of extracts from C6, 3T3, HeLa cells using db12015 at 1:1000.



Immunofluorescent analysis of Jurkat cells using db12015 antibody (green), and DAPI (blue).