

Recombinant

DGRmAb®

**Rad51 (DGR18573) Rabbit mAb (PBS Only)**

db12015-PBS

Package : 10µg 100µg

**Product Name** : Rad51 (DGR18573) Rabbit mAb (PBS Only)**Cat.No.:** db12015-PBS**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

**Calculated MW**

37 kDa

**Observed MW**

37 kDa

**Host species**

Rabbit

**Clonality**

Monoclonal

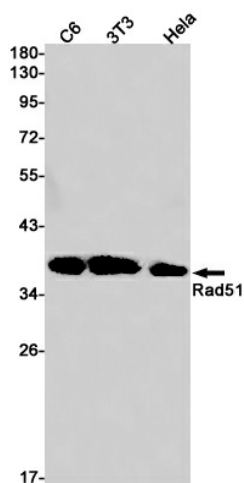
**Clonality No.**

DGR18573

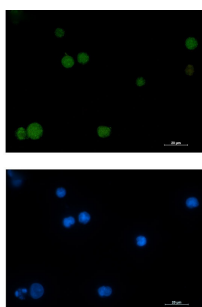
**Isotype**

IgG

<b>Purity</b>	Affinity Purification
<b>Conjugation</b>	Un-conjugated
<b>Concentration</b>	1 mg/mL
<b>Formulation</b>	PBS Only
<b>Storage Stability</b>	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



Western blot detection of Rad51 in C6,3T3,HeLa cell lysates using Rad51 antibody(1:1000 diluted).



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