

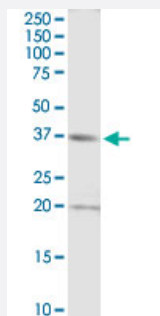
MaxPab®

RAD51 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00005888-D01P

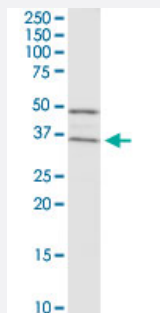
Size 100 ug

Applications



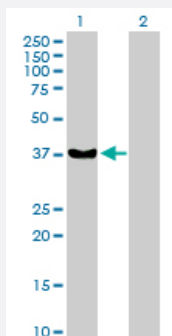
Western Blot (Cell lysate)

RAD51 MaxPab rabbit polyclonal antibody. Western Blot analysis of RAD51 expression in IMR-32.



Western Blot (Cell lysate)

RAD51 MaxPab rabbit polyclonal antibody. Western Blot analysis of RAD51 expression in NIH/3T3.

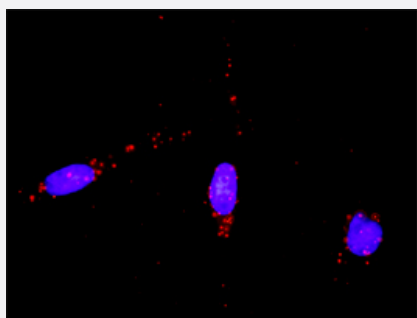


Western Blot (Transfected lysate)

Western Blot analysis of RAD51 expression in transfected 293T cell line ([H00005888-T02](#)) by RAD51 MaxPab polyclonal antibody.

Lane 1: RAD51 transfected lysate(37.00 KDa).

Lane 2: Non-transfected lysate.



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between RAD51 and CASP3. HeLa cells were stained with anti-RAD51 rabbit purified polyclonal 1:1200 and anti-CASP3 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human RAD51 protein.
Immunogen	RAD51 (NP_002866.2, 1 a.a. ~ 339 a.a) full-length human protein.
Sequence	MAMQMQLLEANADTSVEEESFGPQPISRLEQCGINANDVKKLEEAGFHTVEAVAYAPKKELINIKGI SEAKADKILAEAAKLVPMTGTTATEFHQRRSEIIQITGSKELDKLLQGGIETGSITEMFGEFRTGKT QICHTLAVTCQLPIDRGGGEGKAMYIDTEGTFRPERLLAVAERYGLSGSDVLDNVAYARAFNTDHQ TQLLYQASAMMVESRYALLVDSATALYRTDYSGRGELSARQMHLARFLRMLRLADEFGVAVVIT NQVVAQVDGAAMFAADPKKPIGGNIAHASTTRLYLKGRGETRICKIYDSPCLPEAEAMFAINADG VGDAKD
Host	Rabbit
Reactivity	Human, Mouse
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

● Western Blot (Cell lysate)

RAD51 MaxPab rabbit polyclonal antibody. Western Blot analysis of RAD51 expression in IMR-32.

[Protocol Download](#)

- Western Blot (Cell lysate)

RAD51 MaxPab rabbit polyclonal antibody. Western Blot analysis of RAD51 expression in NIH/3T3.

[Protocol Download](#)

- Western Blot (Transfected lysate)

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- In situ* Proximity Ligation Assay (Cell)

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Gene Info — RAD51

Entrez GeneID [5888](#)

GeneBank Accession# [NM_002875](#)

Protein Accession# [NP_002866.2](#)

Gene Name RAD51

Gene Alias BRCC5, HRAD51, HsRad51, HsT16930, RAD51A, RECA

Gene Description RAD51 homolog (RecA homolog, E. coli) (S. cerevisiae)

Omim ID [114480 179617](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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]

Other Designations

BRCA1/BRCA2-containing complex, subunit 5|DNA repair protein RAD51 homolog 1|RAD51 homolog protein|RAD51, S.cerevisiae, homolog of, A|RecA, E. coli, homolog of|RecA-like protein|recombination protein A

Pathway

- [Homologous recombination](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)

Disease

- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Ataxia telangiectasia](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Chromosome Aberrations](#)
- [Colorectal Neoplasms](#)
- [DNA Damage](#)
- [DNA Repair-Deficiency Disorders](#)
- [Esophageal Neoplasms](#)
- [Fanconi Anemia](#)
- [Genetic Predisposition to Disease](#)
- [Glioma](#)
- [Head and Neck Neoplasms](#)
- [Hematologic Diseases](#)

- [Hodgkin Disease](#)
- [Leukemia](#)
- [Lung Neoplasms](#)
- [Lymphatic Metastasis](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Multiple Sclerosis](#)
- [Myelodysplastic Syndromes](#)
- [Neoplasms](#)
- [Neuroma](#)
- [Occupational Diseases](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pancreatic Neoplasms](#)
- [Precancerous Conditions](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Radiodermatitis](#)
- [Recurrence](#)
- [Stomach Neoplasms](#)
- [Thyroid Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)

- [Werner syndrome](#)