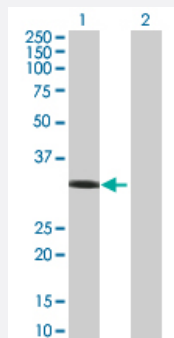


RAD51 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00005888-T01

Size 100 uL

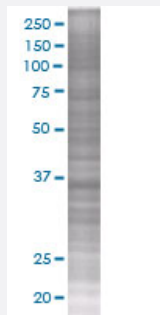
Applications



Western Blot

Lane 1: RAD51 transfected lysate (37 KDa)

Lane 2: Non-transfected lysate.



SDS-PAGE Gel

RAD51 transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-RAD51 full-length

Host Human

Theoretical MW (kDa) 37.4

Quality Control Testing Transient overexpression cell lysate was tested with Anti-RAD51 antibody ([H00005888-B01](#)) by Western Blots.
Western Blot
Lane 1: RAD51 transfected lysate (37 KDa)
Lane 2: Non-transfected lysate.
SDS-PAGE Gel
RAD51 transfected lysate.

Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — RAD51

Entrez GeneID	5888
GeneBank Accession#	NM_002875
Protein Accession#	NP_002866
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](#)