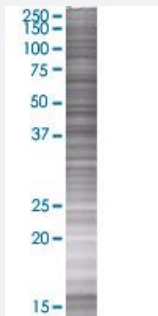


RAD51C 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00005889-T01

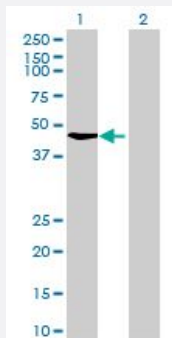
Size 100 uL

Applications



SDS-PAGE Gel

RAD51C transfected lysate.



Western Blot

Lane 1: RAD51C transfected lysate (42.2 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-RAD51C full-length
Host	Human
Theoretical MW (kDa)	42.2
Interspecies Antigen Sequence	Mouse (87); Rat (87)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-RAD51C antibody ([H00005889-B01](#)) by Western Blots.
SDS-PAGE Gel
RAD51C transfected lysate.
Western Blot
Lane 1: RAD51C transfected lysate (42.2 KDa)
Lane 2: Non-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 — RAD51C

Entrez GeneID[5889](#)**GeneBank Accession#**[NM_058216](#)**Protein Accession#**[NP_478123](#)**Gene Name**

RAD51C

Gene Alias

MGC104277, RAD51L2

Gene Description

RAD51 homolog C (S. cerevisiae)

Omim ID[602774](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene is a member of the RAD51 family of related genes, which encode strand-transfer proteins thought to be involved in recombinational repair of damaged DNA and in meiotic recombination. This gene product interacts with two other DNA repair proteins, encoded by RAD51B and XRCC3, but not with itself. The protein copurifies with XRCC3 protein in a complex, reflecting their endogenous association and suggesting a cooperative role during recombinational repair. This gene is one of four localized to a region of chromosome 17q23 where amplification occurs frequently in breast tumors. Overexpression of the four genes during amplification has been observed and suggests a possible role in tumor progression. Alternative splicing has been observed for this gene and two variants encoding different isoforms have been identified. [provided by RefSeq]

Other Designations

DNA repair protein RAD51 homolog 3|RAD51 homolog C|RAD51 homolog C, isoform 1|yeast RAD51 homolog 3

Pathway

- [Homologous recombination](#)

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Multiple Sclerosis](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Urinary Bladder Neoplasms](#)