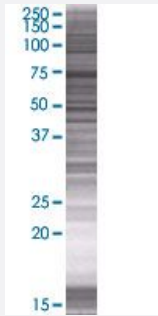


RAD17 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00005884-T01

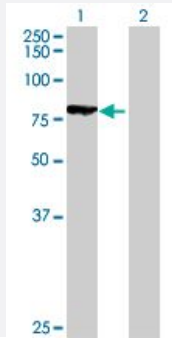
Size 100 uL

Applications



SDS-PAGE Gel

RAD17 transfected lysate.



Western Blot

Lane 1: RAD17 transfected lysate (66.2 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-RAD17 full-length

Host Human

Theoretical MW (kDa) 66.2

Quality Control Testing Transient overexpression cell lysate was tested with Anti-RAD17 antibody ([H00005884-B01](#)) by Western Blots.
SDS-PAGE Gel
RAD17 transfected lysate.
Western Blot
Lane 1: RAD17 transfected lysate (66.2 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 — RAD17

Entrez GeneID	5884
GeneBank Accession#	NM_133341
Protein Accession#	NP_579919
Gene Name	RAD17
Gene Alias	CCYC, FLJ41520, HRAD17, R24L, RAD17SP, RAD24
Gene Description	RAD17 homolog (S. pombe)
Omim ID	603139
Gene Ontology	Hyperlink

Gene Summary	The protein encoded by this gene is highly similar to the gene product of Schizosaccharomyces pombe rad17, a cell cycle checkpoint gene required for cell cycle arrest and DNA damage repair in response to DNA damage. This protein shares strong similarity with DNA replication factor C (RFC), and can form a complex with RFCs. This protein binds to chromatin prior to DNA damage and is phosphorylated by the checkpoint kinase ATR following damage. This protein recruits the RAD1-RAD9-HUS1 checkpoint protein complex onto chromatin after DNA damage, which may be required for its phosphorylation. The phosphorylation of this protein is required for the DNA-damage-induced cell cycle G2 arrest, and is thought to be a critical early event during checkpoint signaling in DNA-damaged cells. Eight alternatively spliced transcript variants of this gene, which encode four distinct proteins, have been reported. Two pseudogenes, located on chromosomes 7 and 13, have been identified. [provided by RefSeq]
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Other Designations	OTTHUMP00000125189 OTTHUMP00000125190 OTTHUMP00000125192 OTTHUMP00000125193 OTTHUMP00000125194 RAD1 homolog RAD17 homolog RF-C activator 1 homolog Rad17-like protein cell cycle checkpoint protein (RAD17)
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Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)