

RAD17 (Human) Cell-Based ELISA Kit

Catalog # KA3467

Size 1 Kit

Specification

Product Description	RAD17 (Human) Cell-Based ELISA Kit is an indirect enzyme-linked immunoassay for qualitative determination of RAD17 expression in cultured cells.
Suitable Sample	Attached Cell, Loosely Attached Cell, Suspension Cell
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Qualitative
Reactivity	Human, Mouse
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at 4°C.

Applications

- Qualitative

Gene Info — RAD17

Entrez GeneID	5884
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]

Other Designations

OTTHUMP00000125189|OTTHUMP00000125190|OTTHUMP00000125192|OTTHUMP00000125193|OTTHUMP00000125194|RAD1 homolog|RAD17 homolog|RF-C activator 1 homolog|Rad17-like protein|cell cycle checkpoint protein (RAD17)

Disease

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