

RAD21 rabbit monoclonal antibody

Catalog # H00005885-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human RAD21 peptide using ARM Technology.
Immunogen	A synthetic peptide of human RAD21 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human RAD21 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — RAD21

Entrez GeneID	5885
GeneBank Accession#	RAD21
Gene Name	RAD21
Gene Alias	FLJ25655, FLJ40596, HR21, HRAD21, KIAA0078, MCD1, NXP1, SCC1, hHR21
Gene Description	RAD21 homolog (S. pombe)
Omim ID	606462
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is highly similar to the gene product of Schizosaccharomyces pombe rad21, a gene involved in the repair of DNA double-strand breaks, as well as in chromatid cohesion during mitosis. This protein is a nuclear phospho-protein, which becomes hyperphosphorylated in cell cycle M phase. The highly regulated association of this protein with mitotic chromatin specifically at the centromere region suggests its role in sister chromatid cohesion in mitotic cells. [provided by RefSeq]
Other Designations	RAD21 homolog nuclear matrix protein 1 protein involved in DNA double-strand break repair

Pathway

- [Cell cycle](#)

Disease

- [Adenocarcinoma](#)
- [Fibrosis](#)
- [Genetic Predisposition to Disease](#)
- [Neoplasms](#)
- [Pancreatic Neoplasms](#)
- [Radiation Injuries](#)