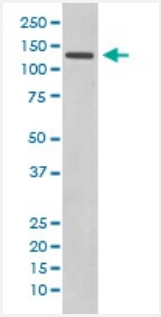
# RAD21 monoclonal antibody, clone CBH-18

Catalog # MAB20652 Size 100 uL

## Applications




### Western Blot (Cell lysate)

Western Blot analysis of HeLa cell lysate using RAD21 monoclonal antibody, clone CBH-18.

## Specification

| | |
|---|---|
| **Product Description** | Rabbit monoclonal antibody raised against synthetic peptide of human RAD21. |
| **Immunogen** | A synthetic peptide corresponding to human RAD21. |
| **Host** | Rabbit |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Purification** | Affinity purification |
| **Isotype** | IgG |
| **Recommend Usage** | Flow Cytometry (1:50)<br>Western Blot (1:500-1:1000)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide). |
| **Storage Instruction** | Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing. |

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|---|---|
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

- Flow Cytometry
- Western Blot (Cell lysate)

  Western Blot analysis of HeLa cell lysate using RAD21 monoclonal antibody, clone CBH-18.

## Gene Info — RAD21

| | |
|---|---|
| **Entrez GeneID** | 5885 |
| **Protein Accession#** | O60216 |
| **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 p ombe rad21, a gene involved in the repair of DNA double-strand breaks, as well as in chromatid c ohesion during mitosis. This protein is a nuclear phospho-protein, which becomes hyperphosphor ylated 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

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- Adenocarcinoma
- Fibrosis
- Genetic Predisposition to Disease
- Neoplasms
- Pancreatic Neoplasms
- Radiation Injuries

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