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Built Around Immunology

# Anti-Rad21 Rabbit mAb [21D93]

**Catalog No.: A52288**

## Basic Information

| | |
|---|---|
| Catalog No. (Cat.No.) | A52288 |
| Host species | Rabbit |
| Reactivity | Human,Mouse,Rat |
| Applications | WB,IHC,IP,IF,ELISA |
| Synonyms | Rad21,RAD21 cohesin complex component,Scc1,P150 |

## Product Information

| | |
|---|---|
| Target | Rad21 |
| Molecular Weight(Calculated) | 72 kDa |
| Molecular Weight(Observed) | 130 kDa |
| Isotype | IgG,Kappa |
| Conjugation | NA |
| Concentration | 0.2 mg/ml |
| Clonality | Monoclonal |
| Clone No. | 21D93 |
| RRID | NA |
| Storage buffer | 50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4) |
| Storage | Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles. |
| Shipped at conditions | Frozen |
| Form | Liquid |

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## Product Usage Information

| Application | Dilution |
|---|---|
| WB | 1:1000-1:5000 |
| IHC | 1:200-1:1000 |
| IP | 1:50-1:200 |
| IF | 1:200-1:1000 |
| ELISA | 1:5000-1:20000 |

## Target Information

| | |
|---|---|
| Protein Name | RAD21 cohesin complex component |
| Gene Name | *RAD21* |
| Domain | NA |
| Background | RAD21 (RAD21 cohesin complex component) is core subunit of cohesin complex, mediating sister-chromatid cohesion, DNA-damage repair and transcriptional regulation. As essential cohesin component, RAD21 physically tethers sister chromatids during S-phase and ensures accurate mitotic chromosome segregation. At anaphase, separase-mediated RAD21 cleavage resolves chromatid linkage. RAD21 also participates in homologous-recombination repair of double-strand breaks, shapes chromatin loops and topologically-associated domains and modulates gene transcription. Defective RAD21 induces chromosome mis-segregation and genomic instability frequently observed in cancers. |