

Product Datasheet

Rad21 Antibody

Catalog No: CY5310

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB FC



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Information

UniProt ID: O60216

All Names: hHR21; Nuclear matrix protein 1; NXP-1; SCC1 homolog; HR21; KIAA0078; NXP1; Rad21;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 72,128 kDa

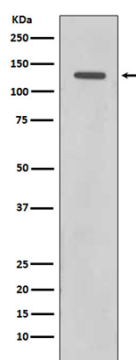
Application

WB: 1:500~1:1000

FC: 1:50

Background

Rad21 is one of the major cohesin subunits that holds sister chromatids together until anaphase, when proteolytic cleavage by separase, a caspase-like enzyme, allows chromosomal separation. Rad21 interacts with Rec8 to form a cohesin complex that functions in sister chromatid alignment. Rad21 is also involved in the repair of double-strand breaks in DNA and is essential for mitotic growth. Rad21 undergoes a C-terminal cleavage induced by diverse stimuli right before apoptosis. The cleavage product migrates to the cytoplasm and is involved in early events in the apoptotic pathway and it amplifies the cell death signal in a positive-feedback manner.



Western blot analysis of Rad21 expression in HeLa cell lysate.

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