

## RAD21 RABBIT MAB

**Cat.#:** N263520

**Product Name:** Anti-Rad21 Rabbit Monoclonal Antibody

**Synonyms:** RAD21; HR21; KIAA0078; NXP1; Double-strand-break repair protein rad21 homolog; hHR21; Nuclear matrix protein 1; NXP-1; SCC1 homolog

**UNIPROT ID:** O60216

**Background:** Rad21 is one of the major cohesin subunits that holds sister chromatids together until anaphase, when proteolytic cleavage by separase, a caspaselike 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.

**Immunogen:** A synthetic peptide of human Rad21

**Applications:** WB,IHC-F,IHC-P,ICC/IF

**Recommended Dilutions:** WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200

**Host Species:** Rabbit

**Clonality:** Rabbit Monoclonal

**Clone ID:** R03-510

**MW:** Calculated MW: 72 kDa; Observed MW: 130 kDa

**Isotype:** IgG

**Purification:** Affinity Purified

**Species Reactivity:** Human,Hamster

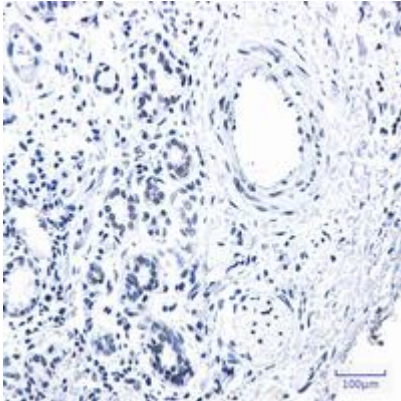
**Conjugation:** Unconjugated

**Modification:** Unmodified

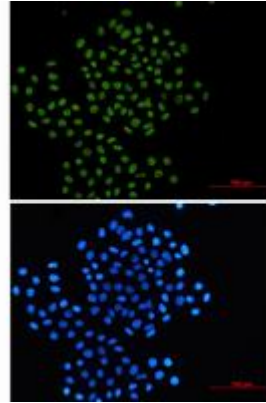
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**Research Areas:** Cell Biology

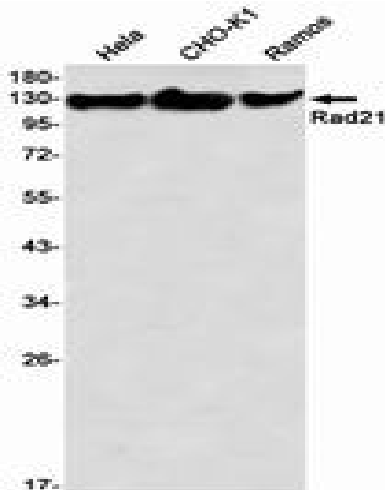
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin-embedded Human lung cancer tissue using Rad21 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunocytochemistry analysis of Rad21 (green) in Hela using Rad21 antibody, and DAPI (blue).



Western blot analysis of Rad21 in Hela, CHO-K1, Ramos lysates using Rad21 antibody.