

## Datasheet for ABIN7384393 **anti-RAD21 antibody**

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### Overview

Quantity:	50 µL
Target:	RAD21
Reactivity:	Human, Hamster
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This RAD21 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Clone:	R03-5I0
Isotype:	IgG
Purification:	Affinity Purified

### Target Details

Target:	RAD21
Alternative Name:	Rad21 ( <a href="#">RAD21 Products</a> )
Background:	MGS,HR21,MCD1,NXP1,SCC1,CDLS4,hHR21,HRAD21,RAD21, also named as Nuclear matrix protein 1, is a 631 amino acid protein, which belongs to the rad21 family. The calculated molecular weight of RAD21 is 72 kDa, but the phosphorylated RAD21 is about 120 kDa. 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

## Target Details

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

Molecular Weight: Observed\_MW: 130kDa  
Calculated\_MW: 72kDa

Gene ID: 5885

UniProt: [O60216](#)

Pathways: [Positive Regulation of Endopeptidase Activity](#)

## Application Details

Application Notes: WB 1:500-1:1000 IHC 1:50-1:100

Restrictions: For Research Use only

## Handling

Concentration: 300 µg/mL

Buffer: 50 mM Tris-Glycine( pH 7.4), 0.15M NaCl, 40 % Glycerol, 0.01 % Sodium azide and 0.05 % BSA

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.