

Rabbit Rad21 Polyclonal Antibody | anti-Rad21 antibody

Rad21 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28376	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence, Immunoprecipitation

PRODUCT SYNONYMS

Rad21; Polyclonal Antibody; Rad21 Rabbit pAb; CDLS4; HR21; HRAD21; MCD1; NXP1; SCC1; hHR21; anti-Rad21 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-Rad21 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), IP (Immunoprecipitation)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 IF: 1:50-1:200 IP: 1:50-1:200
Immunogen	Recombinant protein of human Rad21.
Positive Samples	Jurkat, Mouse thymus, C6
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



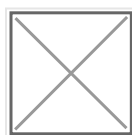
ChIP (Chromatin Immunoprecipitation)

Chromatin immunoprecipitation analysis of extracts of A-549 cells, using Rad21 antibody and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



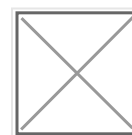
IP (Immunoprecipitation)

Immunoprecipitation analysis of 300ug extracts of Jurkat cells using 3ug Rad21 antibody. Western blot was performed from the immunoprecipitate using Rad21 antibody at a dilution of 1:1000.



IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cells using Rad21 Rabbit pAb at dilution of 1:150 (40x lens). Blue: DAPI for nuclear staining.

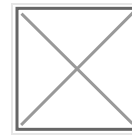


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat stomach using Rad21 Rabbit pAb at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded mouse stomach using Rad21 Rabbit pAb at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded human colon carcinoma using Rad21 Rabbit pAb at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

ADDITIONAL INFORMATION

Related Product Information for anti-Rad21 antibody	Background: The protein encoded by this gene is highly similar to the gene product of <i>Schizosaccharomyces pombe</i> rad21, a gene involved in the repair of DNA double-strand breaks, as well as in 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. [provided by RefSeq, Jul 2008]
Product Categories/Family for anti-Rad21 antibody	Epigenetics & Nuclear Signaling ; DNA Damage & Repair

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453994
NCBI GeneID	5885
NCBI Accession #	NP_006256.1
NCBI GenBank Nucleotide #	NM_006265.2
UniProt Accession #	O60216 ; Q15001 ; Q99568 ; A8K0E0
Molecular Weight	71690 MW
NCBI Official Full Name	double-strand-break repair protein rad21 homolog
NCBI Official Synonym Full Names	RAD21 cohesin complex component
NCBI Official Symbol	RAD21
NCBI Official Synonym Symbols	HR21; MCD1; NXP1; SCC1; CDLS4; hHR21; HRAD21
NCBI Protein Information	double-strand-break repair protein rad21 homolog
UniProt Protein Name	Double-strand-break repair protein rad21 homolog
UniProt Gene Name	RAD21
UniProt Synonym Gene Names	; hHR21; NXP-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/rad21-antibody-western-blot-immunohistochemistry-immunofluorescence-immunoprecipitation-elisa/28376>