

Rabbit anti-Human, Mouse Rad21 Polyclonal Antibody | anti-RAD21 antibody

Rabbit anti-Rad21 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA210751	Rabbit	Human, Mouse	Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

Rad21; Polyclonal Antibody; Rabbit anti-Rad21 Antibody; Affinity Purified; SCC1; SCC1 homolog; RAD21 homolog; protein involved in DNA double-strand break repair; NXP-1; NXP1; nuclear matrix protein 1; CDLS4; MCD1; kleisin; HRAD21; HR21; hHR21; double-strand-break repair protein rad21 homolog; sister chromatid cohesion 1; MGS; Double-strand-break repair protein rad21 homolog; RAD21 cohesin complex component; anti-RAD21 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-RAD21 antibody	IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Bovine
Immunogen	Between 581 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of mouse Rad21 by western blot. Samples: Whole cell lysate (10 ug) from NIH 3T3, CT26, CH27, TCMK-1, and BW5147.3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-Rad21 antibody (AAA210751 lot 11) used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



WB (Western Blot)

Detection of human Rad21 by western blot. Samples: Whole cell lysate (10 ug) from HeLa, Jurkat, HEK293T, MCF-7, and U2OS cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-Rad21 antibody (AAA210751 lot 11) used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



IP (Immunoprecipitation)

Detection of human Rad21 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 5% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-Rad21 antibody (AAA210751 lot 11) used for IP at 6 ug per reaction. Rad21 was also immunoprecipitated by a previous lot of this antibody (AAA210751 lot 10). For blotting immunoprecipitated Rad21, AAA210751 was used at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 75 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-RAD21 antibody	Rad21, also called SCC1 (sister chromatid cohesion protein 1), is part of the mitotic cohesin complex that consist of SMC1, SMC3, SCC3 and SCC1. The cohesin complex is important to sister chromatid separation and segregation during mitosis and meiosis and also plays a role in double-strand break repair by homologous recombination. Rad21 has been demonstrated to be cleaved by caspase proteins to trigger sister chromatid separation and during apoptotic signaling.
Product Categories/Family for anti-RAD21 antibody	Primary Antibodies

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/rad21-antibody-immunoprecipitation-western-blot-elisa/210751>