

RAD21 recombinant antibody

Rabbit anti-Rad21 Recombinant Monoclonal Antibody [BLR052F]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213550	Rabbit	Human, Mouse	Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

Rad21; Monoclonal Recombinant Antibody; Rabbit anti-Rad21 Recombinant Monoclonal Antibody [BLR052F]; 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; RAD21 recombinant antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Monoclonal
Clone Number	BLR052F
Purity/Purification	Purified
Form/Format	Liquid. Whole IgG. Borate Buffered Saline (BBS) pH 8.2 with 0.1% BSA and 0.09% Sodium Azide
Concentration	40ug/ml (varies by lot)
Applicable Applications for RAD21 recombinant antibody	FCM/FACS (Flow Cytometry), WB (Western Blot)
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 human Rad21 by western blot. Samples: Whole cell lysate (50 ug) from HeLa, Jurkat, HEK293T, RKO, GaMG, MCF-7, A-549, and U2OS cells prepared using NETN lysis buffer. Antibody: Rabbit anti-Rad21 recombinant monoclonal antibody (AAA213550 lot 1) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 3 seconds. Lower panel: Rabbit anti-MED1 recombinant monoclonal antibody .



WB (Western Blot)

Detection of mouse Rad21 by western blot. Samples: Whole cell lysate (50 ug) from NIH 3T3 and TCMK-1 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-Rad21 recombinant monoclonal antibody (AAA213550 lot 1) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 3 seconds.



FCM/FACS (Flow Cytometry)

Detection of human Rad21 (shaded) in Jurkat cells by flow cytometry. Antibody: Rabbit anti-Rad21 recombinant monoclonal (AAA213550 lot 1) or isotype control (unshaded). Secondary: DyLight 488-conjugated goat anti-rabbit IgG .

ADDITIONAL INFORMATION

Related Product Information for RAD21 recombinant 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 RAD21 recombinant 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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/rad21-recombinant-antibody-clone-blr052f-flow-cytometry-western-blot-elisa/213550>