

Rabbit anti-Human RAD51 Polyclonal Antibody | anti-RAD51 antibody

Anti-RAD51 Antibody, Rabbit Polyclonal

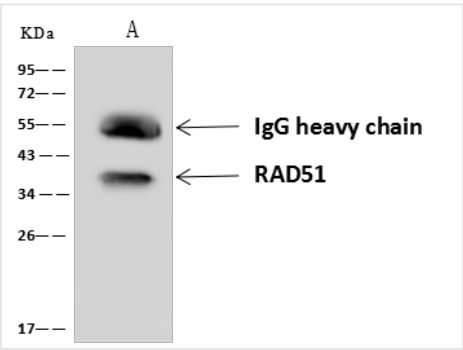
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256673	Rabbit	Human	Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

RAD51; Polyclonal Antibody; Anti-RAD51 Antibody; Rabbit Polyclonal; RAD51 Antibody; Rabbit PAb; Antigen Affinity Purified; RAD51 recombinase; Anti-BRCC5 Antibody; Anti-HRAD51 Antibody; Anti-HsRad51 Antibody; Anti-HsT16930 Antibody; Anti-MRMV2 Antibody; Anti-RAD51A Antibody; Anti-RECA Antibody; anti-RAD51 antibody

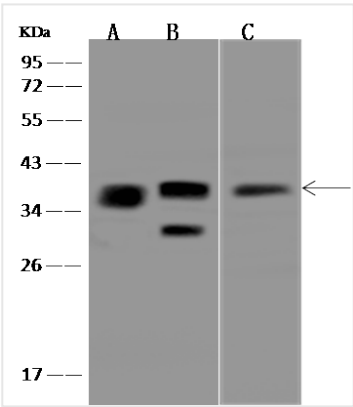
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human RAD51
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-RAD51 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	E Coli-derived Human RAD51 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human RAD51 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.



IP (Immunoprecipitation)

RAD51 was immunoprecipitated using: Lane A: 0.5 mg Jurkat Whole Cell Lysate 4 uL anti-RAD51 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-RAD51 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 36 kDa. Observed band size: 36 kDa.



WB (Western Blot)

Anti-RAD51 rabbit polyclonal antibody at 1:500 dilution. Lane A: HeLa Whole Cell Lysate. Lane B: Jurkat Whole Cell Lysate. Lane C: HEK293 Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 36 kDa. Observed band size: 36 kDa. (We are unsure as to the identity of these extra bands.)

ADDITIONAL INFORMATION

Related Product Information for anti-RAD51 antibody

RAD51 recombinase assembles on single-stranded (ss)DNA substrates exposed by DNA end-resection to initiate homologous recombination (HR), a process fundamental to genome integrity. The human RAD51 recombinase possesses DNA pairing and strand exchange activities that are essential for the error-free, homology-directed repair of DNA double-strand breaks. The recombination activities of RAD51 are activated upon its assembly into presynaptic filaments on single-stranded DNA at resected DSB ends. RAD51 recombinase plays a critical role for cancer cell proliferation and survival. Targeting RAD51 is therefore an attractive strategy for treating difficult-to-treat cancers, e.g. triple negative breast cancers which are often resistant to existing therapeutics. RAD51 recombinase polymerizes at the site of double-strand breaks (DSBs) where it performs DSB repair. The loss of RAD51 causes extensive chromosomal breaks, leading to apoptosis.

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.