

Rabbit RAD52 Polyclonal Antibody | anti-RAD52 antibody

RAD52 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326902	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

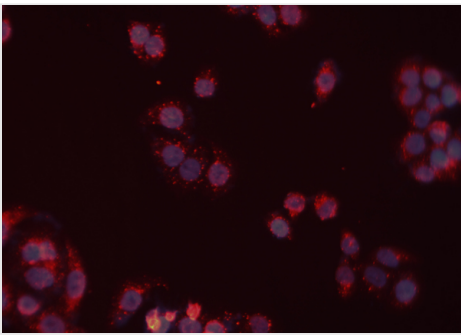
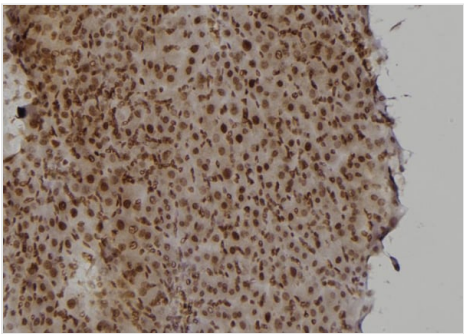
PRODUCT SYNONYMS

RAD52; Polyclonal Antibody; RAD52 Antibody; DNA repair protein RAD52; DNA repair protein RAD52 homolog; RAD 52; Rad52; RAD52 homolog (S. cerevisiae); RAD52 homolog; RAD52_HUMAN; Recombination protein RAD52; Rhabdomyosarcoma antigen MU RMS 40.23; anti-RAD52 antibody

PRODUCT SPECIFICATIONS

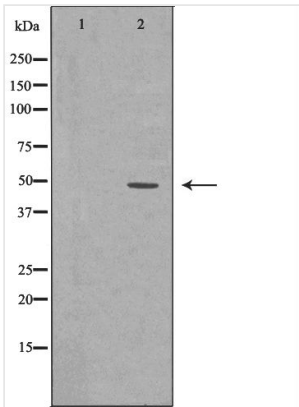
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	RAD52 antibody detects endogenous levels of total RAD52
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	418
Applicable Applications for anti-RAD52 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human RAD52
Subcellular Location	Nucleus.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (89%), Xenopus (89%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemisry)
AAA326902 at 1/100 staining Rat liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

IF (Immunofluorescence)
AAA326902 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600 was used as secondary antibody.



WB (Western Blot)
Western blot analysis of extracts of K562, using RAD52antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-RAD52 antibody

Description: The protein encoded by this gene shares similarity with *Saccharomyces cerevisiae* Rad52, a protein important for DNA double-strand break repair and homologous recombination. This gene product was shown to bind single-stranded DNA ends, and mediate the DNA-DNA interaction necessary for the annealing of complementary DNA strands. It was also found to interact with DNA recombination protein RAD51, which suggested its role in RAD51 related DNA recombination and repair.

Function: Involved in double-stranded break repair. Plays a central role in genetic recombination and DNA repair by promoting the annealing of complementary single-stranded DNA and by stimulation of the RAD51 recombinase.

Subunit Structure: The full-length protein forms heptameric rings. Interacts with ABL1. Interacts with RPA2; the interaction is direct and associates RAD52 with the RPA complex.

Post-translational Modifications: Phosphorylated upon DNA damage by ABL1, and probably by ATM or ATR.

Similarity: Belongs to the RAD52 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	661903001
NCBI GeneID	5893
NCBI Accession #	NP_001284348.1
NCBI GenBank Nucleotide #	NM_001297419.1
UniProt Accession #	P43351; Q13205; Q9Y5T7; Q9Y5T8; Q9Y5T9

Molecular Weight	Observed: 46 kDa Predicted: 47 kDa
NCBI Official Full Name	DNA repair protein RAD52 homolog isoform a
NCBI Official Synonym Full Names	RAD52 homolog, DNA repair protein
NCBI Official Symbol	RAD52
NCBI Protein Information	DNA repair protein RAD52 homolog
UniProt Protein Name	DNA repair protein RAD52 homolog
UniProt Gene Name	RAD52

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/rad52-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/326902>