

Rabbit RAD52 Polyclonal Antibody | anti-RAD52 antibody

RAD52 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329543	Rabbit	Human, Mouse Predicted Reactivity: Pig (100%), Zebrafish (90%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (91%), Xenopus (91%)	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

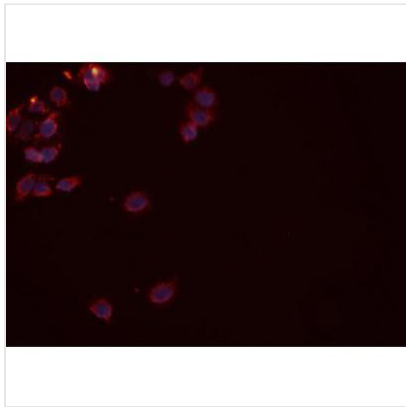
PRODUCT SYNONYMS

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

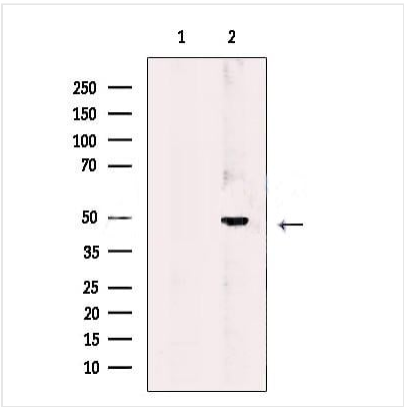
Host	Rabbit
Reactivity	Human, Mouse Predicted Reactivity: Pig (100%), Zebrafish (90%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (91%), Xenopus (91%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	RAD52 Antibody detects endogenous levels of total RAD52.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-RAD52 antibody	ELISA (Peptide ELISA), ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human RAD52, corresponding to a region within the internal amino acids.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	Phosphorylated upon DNA damage by ABL1, and probably by ATM or ATR.
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.
Similarity	Belongs to the RAD52 family.
Subcellular Location	Nucleus.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

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(Red), diluted at 1/600 was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from 293T , using RAD52 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-RAD52 antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	109637798
NCBI GeneID	5893
NCBI Accession #	NP_602296.2
NCBI GenBank Nucleotide #	NM_134424.2
UniProt Accession #	P43351; Q13205
Molecular Weight	46,169 Da
NCBI Official Full Name	DNA repair protein RAD52 homolog
NCBI Official Synonym Full Names	RAD52 homolog (S. cerevisiae)
NCBI Official Symbol	RAD52
NCBI Protein Information	DNA repair protein RAD52 homolog; recombination protein RAD52; rhabdomyosarcoma antigen MU-RMS-40.23
UniProt Protein Name	DNA repair protein RAD52 homolog
UniProt Gene Name	RAD52
UniProt Entry Name	RAD52_HUMAN

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-peptide-elisa-immunocytochemistry-immunofluorescence-western-blot-elisa/329543>