

Rabbit anti-Human, Mouse RAD54 Polyclonal Antibody | anti-RAD54 antibody

RAD54 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324316	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

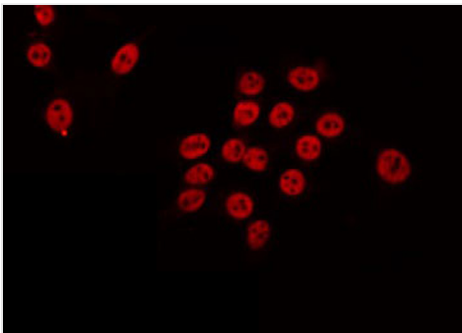
PRODUCT SYNONYMS

RAD54; Polyclonal Antibody; RAD54 Antibody; DNA repair and recombination protein RAD54 like; DNA repair and recombination protein RAD54-like; hHR 54; hHR54; HR 54; HR54; hRAD 54; hRAD54; RAD 54A; RAD 54L; RAD54 (S. cerevisiae) like; RAD54 homolog; RAD54 like (S. cerevisiae); RAD54 like; RAD54 like protein; RAD54_HUMAN; RAD54A; RAD54L; anti-RAD54 antibody

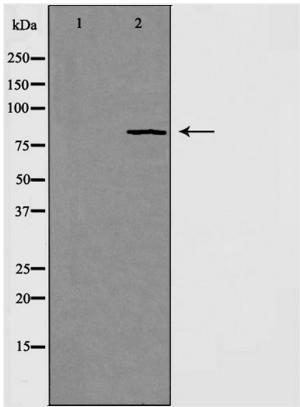
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	RAD54 antibody detects endogenous levels of total RAD54
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	747
Applicable Applications for anti-RAD54 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus.
Tissue Specificity	Expression increases approximately 3-fold in late G1 phase compared to other phases of the cell cycle.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (91%), Bovine (91%), Horse (91%), Sheep (91%), Rabbit (91%), Dog (91%), Chicken (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)
AAA324316 staining HeLa 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) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from HeLa cells using RAD54 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-RAD54 antibody	Function: Involved in DNA repair and mitotic recombination. Functions in the recombinational DNA repair (RAD52) pathway. Dissociates RAD51 from nucleoprotein filaments formed on dsDNA. Could be involved in the turnover of RAD51 protein-dsDNA filaments (By similarity). May play also an essential role in telomere length maintenance and telomere capping in mammalian cells. Subunit Structure: Interacts (via N-terminus) with RAD51. Similarity: Belongs to the SNF2/RAD54 helicase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	216548193
NCBI GeneID	8438
NCBI Accession #	NP_001136020.1
NCBI GenBank Nucleotide #	NM_001142548.1
UniProt Accession #	Q92698; Q5TE31; Q6IUY3
Molecular Weight	Observed: 85 kD Predicted: 85 kDa
NCBI Official Full Name	DNA repair and recombination protein RAD54-like
NCBI Official Synonym Full Names	RAD54 like
NCBI Official Symbol	RAD54L
NCBI Official Synonym Symbols	HR54; hHR54; RAD54A; hRAD54
NCBI Protein Information	DNA repair and recombination protein RAD54-like
UniProt Protein Name	DNA repair and recombination protein RAD54-like
UniProt Gene Name	RAD54L
UniProt Synonym Gene Names	RAD54A; hHR54; hRAD54

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.