

Rabbit Rad54 Polyclonal Antibody | anti-Rad54 antibody

Rad54 antibody

CATALOG #	HOST	APPLICATIONS
AAA107619	Rabbit	Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence

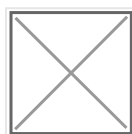
PRODUCT SYNONYMS

Rad54; Polyclonal Antibody; Rad54 antibody; Polyclonal Rad54; Anti-Rad54; transcriptional regulator ATRX; Rad 54; alpha thalassemia/mental retardation syndrome X-linked; RAD54L; ATR2; SHS; RAD54 homolog; X-linked helicase II; X-linked nuclear protein; ATP-dependent helicase ATRX; Zinc finger helicase; RAD54; alpha thalassemia/mental retardation syndrome X-linked (RAD54 homolog *S. cerevisiae*); helicase 2 X-linked; ATRX; ZNF-HX; MGC2094; SFM1; DNA dependent ATPase and helicase; MRXHF1; XH2; Rad-54; XNP; anti-Rad54 antibody

PRODUCT SPECIFICATIONS

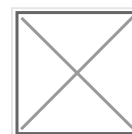
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Rad54 antibody was purified by antigen-affinity chromatography
Form/Format	Supplied as a concentrated solution containing 0.1M Tris, 0.1M Glycine, 10% Glycerol (pH 7.0). 0.01% Thimerosal was added as a preservative.
Concentration	0.6 mg/ml (varies by lot)
Sequence Length	747
Applicable Applications for anti-Rad54 antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence)
Biological Significance	The protein encoded by this gene contains an ATPase/helicase domain, and thus it belongs to the SWI/SNF family of chromatin remodeling proteins. The mutations of this gene are associated with an X-linked mental retardation (XLMR) syndrome most often accompanied by alpha-thalassemia (ATRX) syndrome. These mutations have been shown to cause diverse changes in the pattern of DNA methylation, which may provide a link between chromatin remodeling, DNA methylation, and gene expression in developmental processes. This protein is found to undergo cell cycle-dependent phosphorylation, which regulates its nuclear matrix and chromatin association, and suggests its involvement in the gene regulation at interphase and chromosomal segregation in mitosis.
Cross-Reactivity	Human, Mouse
Immunogen	Rad54 antibody was raised in rabbit using a recombinant fragment corresponding to a region within amino acids 2161 and 2443 of Rad54
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical staining of paraffin-embedded A549 xenograft using Rad54 antibody at a dilution of 1:100



IF (Immunofluorescence)

Immunofluorescence analysis of paraformaldehyde-fixed HeLa, using ATRX antibody at 1:200 dilution.

**WB (Western Blot)**

Western blot analysis of 30 ug whole cell lysate (A:293T; B:Hep G2; C:Raji) using a 5 % SDS PAGE gel and Rad54 antibody at a dilution of 1:500

**WB (Western Blot)**

Western blot analysis of 30 ug of whole cell lysate (A:NIH-3T3) using a 5 % SDS PAGE gel and Rad54 antibody at a dilution of 1:1000

ADDITIONAL INFORMATION

Related Product Information for anti-Rad54 antibody	Affinity purified Rabbit polyclonal Rad54 antibody
Product Categories/Family for anti-Rad54 antibody	DNA & RNA ; Purified Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	1495483
NCBI GeneID	8438
UniProt Accession #	Q92698 ; Q5TE31 ; Q6IUY3
Molecular Weight	283 kDa
NCBI Official Full Name	RAD54
NCBI Official Synonym Full Names	RAD54-like (S. cerevisiae)
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
UniProt Entry Name	RAD54_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/rad54-antibody-western-blot-immunohistochemistry-immunocytochemistry-immunofluorescence-elisa/107619>