

Rabbit RAD50 Polyclonal Antibody | anti-RAD50 antibody

RAD50 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA36850	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

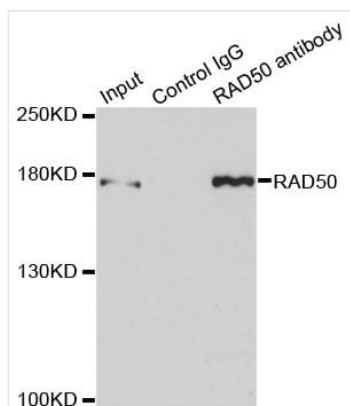
PRODUCT SYNONYMS

RAD50; Polyclonal Antibody; RAD50 Polyclonal Antibody; NBSLD; RAD502; hRad50; anti-RAD50 antibody

PRODUCT SPECIFICATIONS

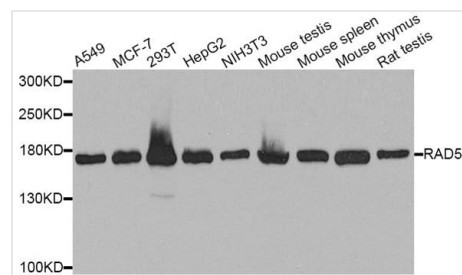
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	1312
Applicable Applications for anti-RAD50 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Route	Synthetic Peptide
Immunogen	A synthetic peptide of human RAD50
Calculated Molecular Weight	154kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



IP (Immunoprecipitation)

Immunoprecipitation analysis of 150ug extracts of MCF7 cells using 3ug RAD50 antibody. Western blot was performed from the immunoprecipitate using RAD50 antibody at a dilution of 1:500.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using RAD50 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 30s.

ADDITIONAL INFORMATION

Related Product Information for anti-RAD50 antibody	The protein encoded by this gene is highly similar to Saccharomyces cerevisiae Rad50, a protein involved in DNA double-strand break repair. This protein forms a complex with MRE11 and NBS1. The protein complex binds to DNA and displays numerous enzymatic activities that are required for nonhomologous joining of DNA ends. This protein, cooperating with its partners, is important for DNA double-strand break repair, cell cycle checkpoint activation, telomere maintenance, and meiotic recombination. Knockout studies of the mouse homolog suggest this gene is essential for cell growth and viability. Mutations in this gene are the cause of Nijmegen breakage syndrome-like disorder.
Product Categories/Family for anti-RAD50 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	60392986
NCBI GeneID	10111
UniProt Accession #	Q92878; O43254; Q6GMT7; Q6P5X3; Q9UP86; B9EGF5
Molecular Weight	1312
NCBI Official Full Name	DNA repair protein RAD50
NCBI Official Synonym Full Names	RAD50 homolog (S. cerevisiae)
NCBI Official Symbol	RAD50
NCBI Official Synonym Symbols	NBSLD; RAD502; hRad50
NCBI Protein Information	DNA repair protein RAD50
UniProt Protein Name	DNA repair protein RAD50
UniProt Gene Name	RAD50
UniProt Synonym Gene Names	hRAD50
UniProt Entry Name	RAD50_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/rad50-antibody-immunohistochemistry-western-blot-elisa/36850>