

Rabbit anti-Human, Mouse RAD50 Polyclonal Antibody | anti-RAD50 antibody

RAD50 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA302618	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot, ELISA

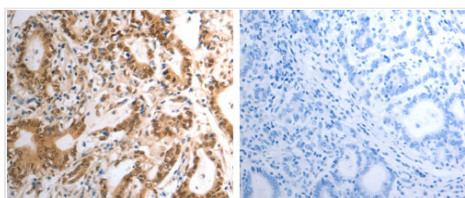
PRODUCT SYNONYMS

RAD50; Polyclonal Antibody; RAD50 Antibody; RAD50 homolog (S. cerevisiae); NBSLD; RAD502; hRad50; anti-RAD50 antibody

PRODUCT SPECIFICATIONS

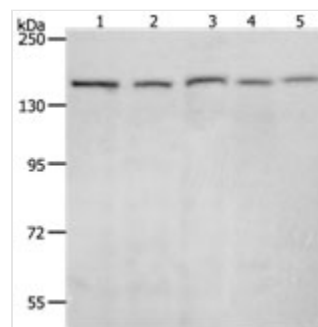
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total RAD50 protein.
Form/Format	Supplied at 1.3mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.3, 0.05% sodium azide and 50% glycerol.
Sequence Length	1312
Applicable Applications for anti-RAD50 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from 325-339 amino acids of Human RAD50 homolog (S. cerevisiae)
Target Name	RAD50
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



IHC (Immunohistochemistry)

The image on the left is immunohistochemistry of paraffin-embedded human gastric cancer tissue using 31264 (RAD50 Antibody) at dilution 1/40, on the right is treated with the synthetic peptide.



Application Data

Gel: 8%SDS-PAGE
Lane1: 293T cell lysate
Lane2: HeLa cell lysate
Lane3: K562 cell lysate
Lane4: NIH/3T3 cell lysate
Lane5: RAW264.7 cell lysate
Lysates: 40 ug per lane
Primary antibody: 1/900 dilution
Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution
Exposure time: 5 minutes

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	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	19924129
NCBI GeneID	10111
NCBI Accession #	NP_005723
NCBI GenBank Nucleotide #	NM_005732.3
Molecular Weight	138,432 Da
NCBI Official Full Name	DNA repair protein RAD50
NCBI Official Synonym Full Names	RAD50 homolog, double strand break repair protein
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/rad50-antibody-immunohistochemistry-western-blot-elisa/302618>