

Rabbit RAD50 Polyclonal Antibody | anti-RAD50 antibody

RAD50 Polyclonal Antibody

CATALOG # AAA168240	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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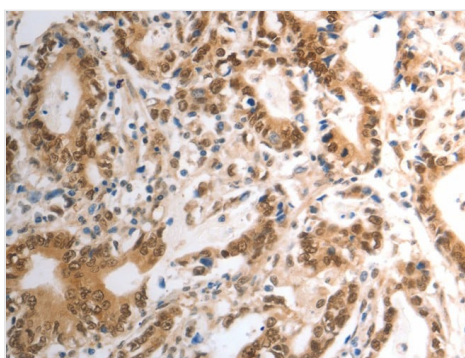
PRODUCT SYNONYMS

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

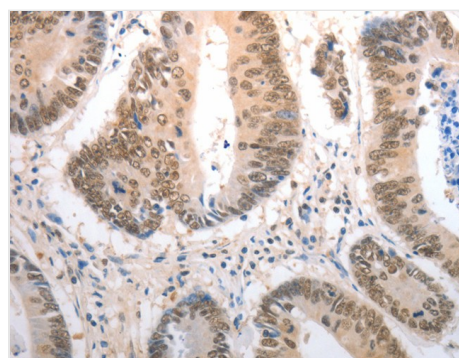
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1.3mg/mL (varies by lot)
Sequence Length	1312
Applicable Applications for anti-RAD50 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Synthetic peptide of human RAD50
Buffer	PBS with 0.05% sodium azide, 50% glycerol, pH7.3
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

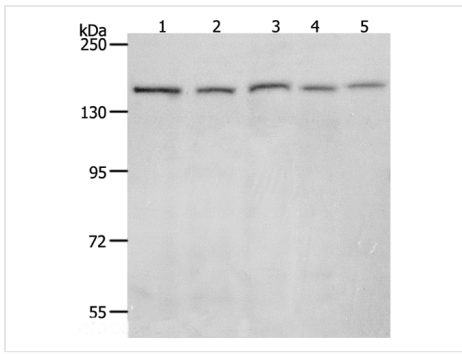
IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded Human gastric cancer using RAD50 Polyclonal Antibody at dilution of 1:40



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded Human colon cancer using RAD50 Polyclonal Antibody at dilution of 1:40



WB (Western Blot)
Western Blot analysis of 293T, HeLa, K562, NIH/3T3 and RAW264.7 cell using RAD50
Polyclonal Antibody at dilution of 1:900

ADDITIONAL INFORMATION

Related Product Information for anti-RAD50 antibody	The protein encoded by this gene is highly similar to <i>Saccharomyces cerevisiae</i> 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1518806
NCBI GeneID	10111
Molecular Weight	138,432 Da
NCBI Official Full Name	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.