

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

RAD50 Polyclonal Antibody

CATALOG # AAA174144	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunohistochemistry, Western Blot
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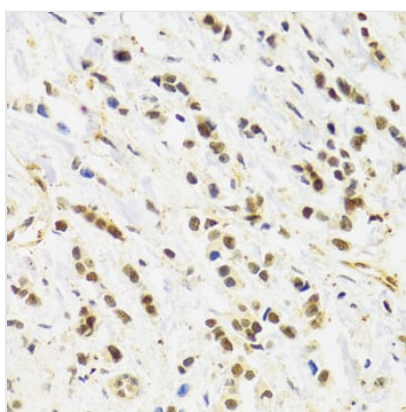
PRODUCT SYNONYMS

RAD50; Polyclonal Antibody; RAD50 Polyclonal Antibody; DNA repair protein RAD50; hRAD50; hsRAD50; Mrell; NBSLD; Rad 50; RAD50 2; rad50; RAD50 homolog (S cerevisiae); RAD50 homolog; RAD50 PEN; S. cerevisiae; homolog of; RAD502; Rad50l; Truncated RAD50 protein; anti-RAD50 antibody

PRODUCT SPECIFICATIONS

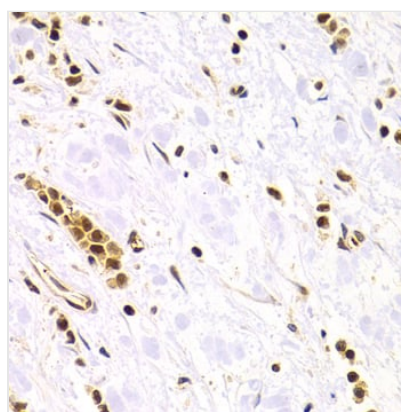
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Concentration	1 mg/mL (varies by lot)
Sequence Length	1,318
Applicable Applications for anti-RAD50 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human RAD50
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



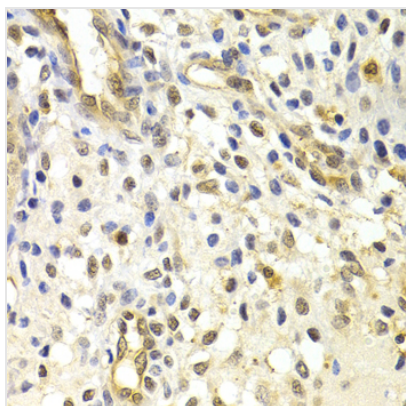
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human breast cancer using RAD50 Antibody.



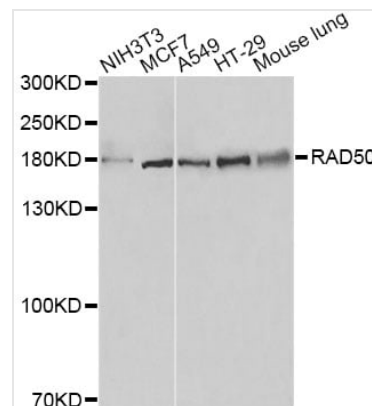
IHC (Immunohistochemisry)

Immunohistochemistry of paraffin-embedded human gastric cancer using RAD50 Antibody.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human uterine cancer using RAD50 Antibody.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using RAD50 antibody.

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.
Product Categories/Family for anti-RAD50 antibody	Cancer; Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	19924129
NCBI GeneID	10111
NCBI Accession #	NP_005723.2
NCBI GenBank Nucleotide #	NM_005732.3
UniProt Accession #	Q92878; O43254; Q6GMT7; Q6P5X3; Q9UP86; B9EGF5
Molecular Weight	Calculated: 138kDa; 153kDa; 154kDa Observed: 180kDa
NCBI Official Full Name	DNA repair protein RAD50
NCBI Official Synonym Full Names	RAD50 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

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.