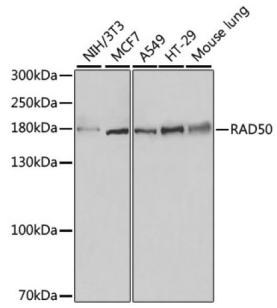
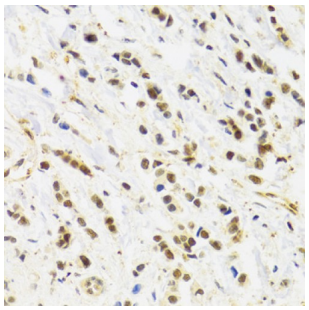
RAD50 Double Strand Break Repair Protein (RAD50) Antibody

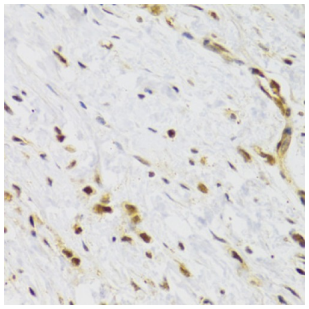
Catalogue No.:abx002219



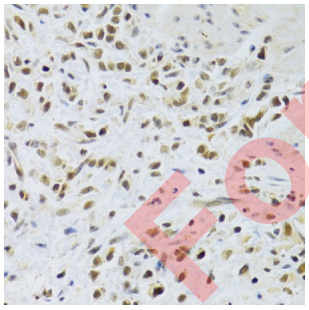
Western blot analysis of extracts of various cell lines using RAD50 Antibody (1/50 dilution)0.



Immunohistochemistry of paraffin-embedded Human breast cancer using RAD50 Antibody (1/100 dilution, 40x lens).



Immunohistochemistry of paraffin-embedded Human stomach using RAD50 Antibody (1/100 dilution, 40x lens).



Immunohistochemistry of paraffin-embedded Human gastric cancer using RAD50 Antibody (1/100 dilution, 40x lens).

RAD50 Antibody is a Rabbit Polyclonal antibody against RAD50. 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.

Abbexa LTD, Cambridge, UK · Phone: +44 (0) 1223 755950 · Fax: +44 (0) 1223 755951
Abbexa LLC, Houston, TX USA · Phone: +1 832 327 7413
Abbexa BV, Leiden, NL
Website: www.abbexa.com · Email: info@abbexa.com

Target:	RAD50 Double Strand Break Repair Protein (RAD50)
Clonality:	Polyclonal
Reactivity:	Human, Mouse
Tested Applications:	WB, IHC
Host:	Rabbit
Recommended dilutions:	WB: 1/500 - 1/2000, IHC-P: 1/50 - 1/100. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	A synthetic peptide corresponding to human RAD50
Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q92878 (UniProt, ExPASy)
Gene Symbol:	RAD50
GeneID:	10111
NCBI Accession:	NP_005723.2
KEGG:	hsa:10111
String:	9606.ENSP00000368100
Molecular Weight:	Calculated MW: 138 kDa/153 kDa/154 kDa Observed MW: 180 kDa
Buffer:	PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.
Concentration:	1 mg/ml

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