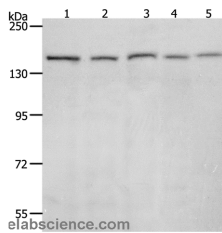


## RAD50 Polyclonal Antibody

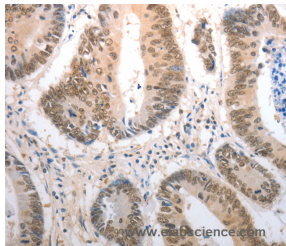
<b>Catalog No.</b>	E-AB-12632	<b>Reactivity</b>	H,M,R
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles.	<b>Host</b>	Rabbit
<b>Applications</b>	WB,IHC,ELISA	<b>Isotype</b>	IgG

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

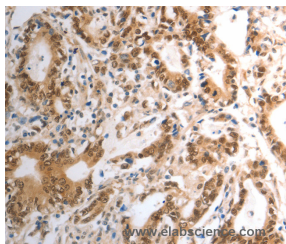
### Images



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



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



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

### Immunogen Information

<b>Immunogen</b>	Synthetic peptide of human RAD50
<b>Gene Accession</b>	NP_005723
<b>Swissprot</b>	Q92878
<b>Synonyms</b>	NBSLD,RAD502,hRad50

### Product Information

<b>Calculated MW</b>	154kDa
<b>Buffer</b>	PBS with 0.05% sodium azide and 50% glycerol, PH7.4
<b>Purify</b>	Affinity purification
<b>Dilution</b>	WB 1:500-1:2000, IHC 1:50-1:200

### Background

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.

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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.