antibodies -online.com







anti-RAD50 antibody





\sim				
	11/6	٦r١	/10	۱۸.

Quantity:	60 μL
Target:	RAD50
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RAD50 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	A synthetic peptide of human RAD50 (NP_005723.2).	
Isotype:	IgG	
Characteristics:	Polyclonal Antibody	
Purification:	Affinity purification	

Target Details

Target:	RAD50
Alternative Name:	RAD50 (RAD50 Products)
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

Target Details

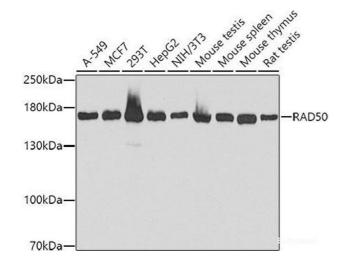
	partners, is important for DNA double-strand break repair, cell cycle checkpoint activation,	
	telomere maintenance, and meiotic recombination. Knockout studies of the mouse homolog	
	suggest this gene is essential for cell growth and viability. Mutations in this gene are the cause	
	of Nijmegen breakage syndrome-like disorder.	
Molecular Weight:	Observed_MW: 170 kDa	
	Calculated_MW: 138 kDa/153 kDa/154 kDa	
Gene ID:	10111	
UniProt:	Q92878	
Pathways:	DNA Damage Repair, Protein targeting to Nucleus	

Application Details

Application Notes:	WB 1:500-1:2000 IHC 1:50-1:200 IF 1:50-1:200
Restrictions:	For Research Use only

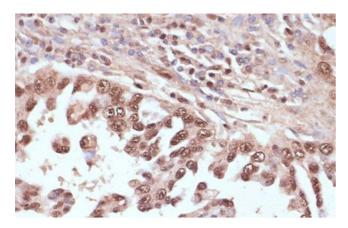
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



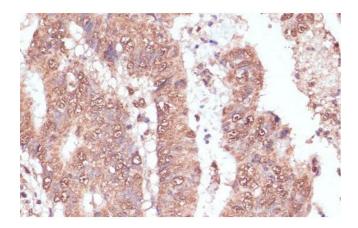
Western Blotting

Image 1. Western blot analysis of extracts of various cell lines using RAD50 Polyclonal Antibody at dilution of 1:1000.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry of paraffin-embedded Human lung cancer using RAD50 Polyclonal Antibody at dilution of 1:100 (40x lens).



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded Human colon carcinoma using RAD50 Polyclonal Antibody at dilution of 1:100 (40x lens).

Please check the product details page for more images. Overall 6 images are available for ABIN7010313.