

Datasheet for ABIN7384000 **anti-RAD50 antibody**

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Overview

Quantity:	20 µL
Target:	RAD50
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Synthetic peptide of human RAD50
Isotype:	IgG
Purification:	Affinity purification

Target Details

Target:	RAD50
Alternative Name:	RAD50 (RAD50 Products)
Background:	DNA repair protein RAD50,hRAD50,hsRAD50,Mrell,NBSLD,Rad 50,RAD50 2,rad50,RAD50 homolog (S cerevisiae),RAD50 homolog,RAD50 PEN,RAD50,S. cerevisiae,homolog of,RAD50,RAD502,Rad50I,Truncated RAD50 protein,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

Target Details

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.

Molecular Weight:	154 kDa
NCBI Accession:	NP_005723
UniProt:	Q92878
Pathways:	DNA Damage Repair , Protein targeting to Nucleus

Application Details

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

Handling

Concentration:	0.4 mg/mL
Buffer:	PBS with 0.05 % sodium azide and 50 % glycerol, PH7.4
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.