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RAD52 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16470b

Product Information

Application	WB, E
Primary Accession	P43351
Other Accession	NP_602296.2
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB33906
Calculated MW	46169
Antigen Region	387-416

Additional Information

Gene ID	5893
Other Names	DNA repair protein RAD52 homolog, RAD52
Target/Specificity	This RAD52 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 387-416 amino acids from the C-terminal region of human RAD52.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	RAD52 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	RAD52
Function	Involved in double-stranded break repair. Plays a central role in genetic recombination and DNA repair by promoting the annealing of complementary single-stranded DNA and by stimulation of the RAD51 recombinase.

Cellular Location Nucleus.

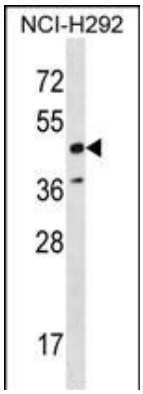
Background

The protein encoded by this gene shares similarity with Saccharomyces cerevisiae Rad52, a protein important for DNA double-strand break repair and homologous recombination. This gene product was shown to bind single-stranded DNA ends, and mediate the DNA-DNA interaction necessary for the annealing of complementary DNA strands. It was also found to interact with DNA recombination protein RAD51, which suggested its role in RAD51 related DNA recombination and repair.

References

Liu, Y., et al. Carcinogenesis 31(10):1762-1769(2010)
Ho-Pun-Cheung, A., et al. Pharmacogenomics J. (2010) In press :
Briggs, F.B., et al. Am. J. Epidemiol. 172(2):217-224(2010)
Liu, C.Y., et al. Carcinogenesis 31(7):1259-1263(2010)
Monsees, G.M., et al. Breast Cancer Res. Treat. (2010) In press :

Images



RAD52 Antibody (C-term) (Cat. #AP16470b) western blot analysis in NCI-H292 cell line lysates (35ug/lane).This demonstrates the RAD52 antibody detected the RAD52 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.