



Rad54B Polyclonal Antibody

Catalog No	YP-Ab-00516
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	IHC;IF;ELISA
Gene Name	RAD54B
Immunogen	The antiserum was produced against synthesized peptide derived from human RAD54B. AA range:241-290
Specificity	Rad54B Polyclonal Antibody detects endogenous levels of Rad54B protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	IHC: 1/100 - 1/300. ELISA: 1/10000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	RDH54;RAD54B;DNA repair and recombination protein RAD54B;RAD54 homolog B
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Nucleus .
Tissue Specificity	Abundantly expressed in testis and spleen. Relatively low levels observed in thymus, prostate, ovary and colon.
Function	M phase, double-strand break repair via homologous recombination, recombinational repair, DNA metabolic process,DNA repair, double-strand break repair, DNA recombination, mitotic recombination, response to DNA damage stimulus,cell cycle, meiosis, meiosis I, reciprocal meiotic recombination, response to radiation, response to abiotic stimulus,response to ionizing radiation, cell cycle process, cell cycle phase, cellular response to stress, response to drug,regulation of transcription, meiotic cell cycle, M phase of meiotic cell cycle,



Background

The RAD54 homolog B encoded by RAD54B belongs to the DEAD-like helicase superfamily. It shares similarity with *Saccharomyces cerevisiae* RAD54 and RDH54, both of which are involved in homologous recombination and repair of DNA. This protein binds to double-stranded DNA, and displays ATPase activity in the presence of DNA. This gene is highly expressed in testis and spleen, which suggests active roles in meiotic and mitotic recombination. Homozygous mutations of this gene were observed in primary lymphoma and colon cancer.

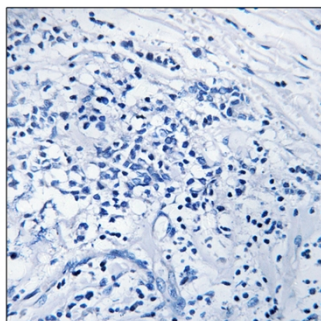
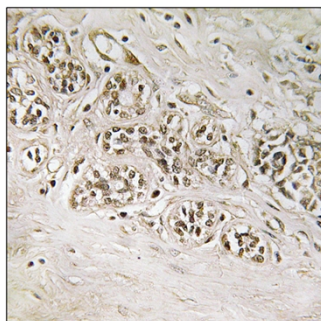
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using RAD54B Antibody. The picture on the right is blocked with the synthesized peptide.