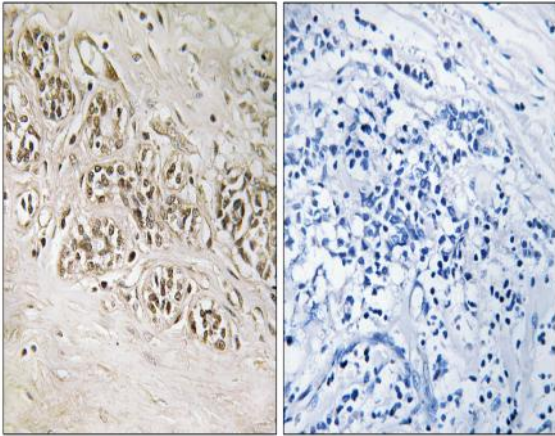


Rad54B Polyclonal Antibody

Catalog No :	YT3971
Reactivity :	Human;Rat;Mouse;
Applications :	IHC;IF;ELISA
Target :	Rad54B
Fields :	>>Homologous recombination
Gene Name :	RAD54B
Protein Name :	DNA repair and recombination protein RAD54B
Human Gene Id :	25788
Human Swiss Prot No :	Q9Y620
Mouse Swiss Prot No :	Q6PFE3
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
Dilution :	IHC 1:100 - 1:300. ELISA: 1:10000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight :	103kD
Cell Pathway :	Homologous recombination;
Background :	<p>The RAD54 homolog B encoded by RAD54B belongs to the DEAD-like helicase superfamily. It shares similarity with <i>Saccharomyces cerevisiae</i> 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.</p>
Function :	<p>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,</p>
Subcellular Location :	Nucleus .
Expression :	Abundantly expressed in testis and spleen. Relatively low levels observed in thymus, prostate, ovary and colon.
Sort :	13762
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

Products Images



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