

Rad52 Polyclonal Antibody

Catalog No :	YT3969
Reactivity :	Human;Mouse
Applications :	WB;IHC;IF;ELISA
Target :	Rad52
Fields :	>>Homologous recombination
Gene Name :	RAD52
Protein Name :	DNA repair protein RAD52 homolog
Human Gene Id :	5893
Human Swiss Prot No :	P43351
Mouse Gene Id :	19365
Mouse Swiss Prot No :	P43352
Immunogen :	The antiserum was produced against synthesized peptide derived from human RAD52. AA range:70-119
Specificity :	Rad52 Polyclonal Antibody detects endogenous levels of Rad52 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
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)

Observed Band : 46kD

Cell Pathway : Homologous recombination;

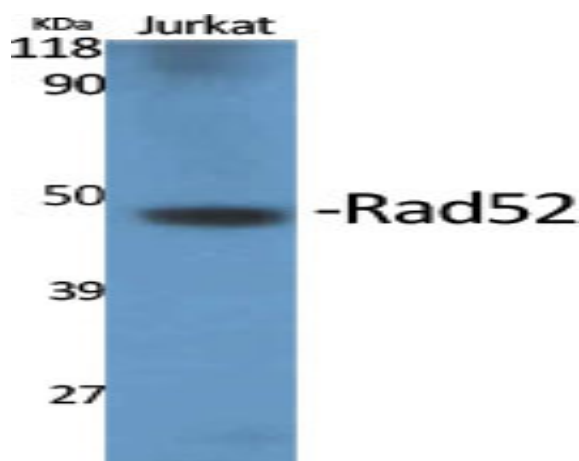
Background : The protein encoded by this gene shares similarity with Saccharomyces cerevisiae Rad52, a protein important for DNA double-strand break repair and homologous recombination. This gene product was shown to bind single-stranded DNA ends, and mediate the DNA-DNA interaction necessary for the 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. A pseudogene of this gene is present on chromosome 2. Alternative splicing results in multiple transcript variants. Additional alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq, Jul 2014],

Function : 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.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the RAD52 family.,subunit:Forms a undecameric ring.,

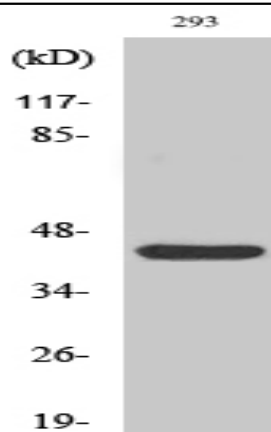
Subcellular Location : Nucleus .

Expression : Amygdala,Brain,Embryonal rhabdomyosarcoma,Hippocampus,PCR rescued c

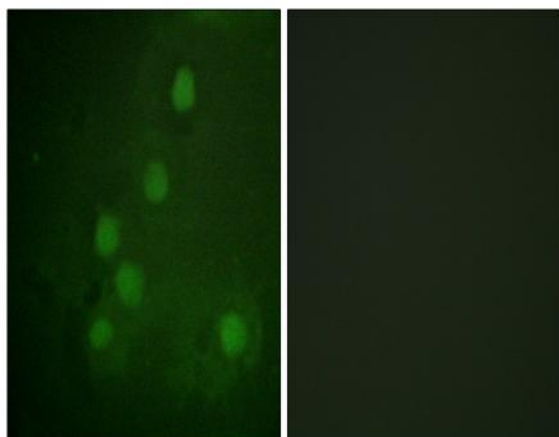
Products Images



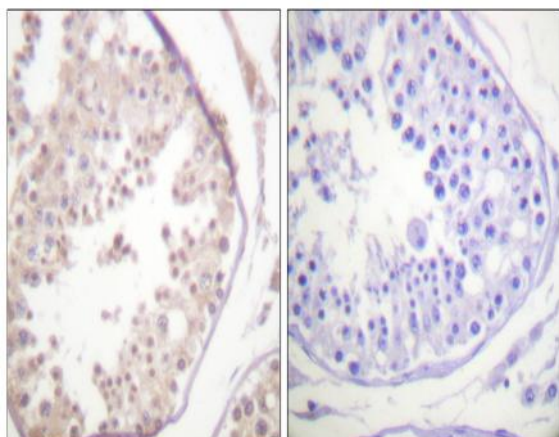
Western Blot analysis of various cells using Rad52 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).



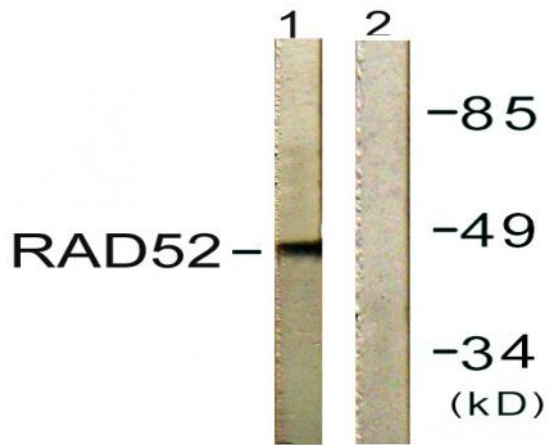
Western Blot analysis of 293 cells using Rad52 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).



Immunofluorescence analysis of COS7 cells, using RAD52 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human testis tissue, using RAD52 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from 293 cells, using RAD52 Antibody. The lane on the right is blocked with the synthesized peptide.