antibodies

## Datasheet for ABIN6146640 anti-RAD51 Homolog B antibody (AA 1-384)



Image

Overview

0.0.000	
Quantity:	100 µL
Target:	RAD51 Homolog B (Rad51B)
Binding Specificity:	AA 1-384
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RAD51 Homolog B antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-384 of
	human RAD51B (NP_598193.2).
Sequence:	MGSKKLKRVG LSQELCDRLS RHQILTCQDF LCLSPLELMK VTGLSYRGVH ELLCMVSRAC
	APKMQTAYGI KAQRSADFSP AFLSTTLSAL DEALHGGVAC GSLTEITGPP GCGKTQFCIM
	MSILATLPTN MGGLEGAVVY IDTESAFSAE RLVEIAESRF PRYFNTEEKL LLTSSKVHLY
	RELTCDEVLQ RIESLEEEII SKGIKLVILD SVASVVRKEF DAQLQGNLKE RNKFLAREAS
	SLKYLAEEFS IPVILTNQIT THLSGALASQ ADLVSPADDL SLSEGTSGSS CVIAALGNTW
	SHSVNTRLIL QYLDSERRQI LIAKSPLAPF TSFVYTIKEE GLVLQETTFC SVTQAELNWA
	PEILPPQPPE QLGLQMCHHT QLIF
lsotype:	lgG
Cross-Reactivity:	Mouse, Rat

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Product Details	
Characteristics:	Polyclonal Antibodies
Target Details	
Target:	RAD51 Homolog B (Rad51B)
Alternative Name:	RAD51B (Rad51B Products)
Background:	The protein encoded by this gene is a member of the RAD51 protein family. RAD51 family members are evolutionarily conserved proteins essential for DNA repair by homologous recombination. This protein has been shown to form a stable heterodimer with the family member RAD51C, which further interacts with the other family members, such as RAD51, XRCC2, and XRCC3. Overexpression of this gene was found to cause cell cycle G1 delay and cell apoptosis, which suggested a role of this protein in sensing DNA damage. Rearrangements between this locus and high mobility group AT-hook 2 (HMGA2, GeneID 8091) have been observed in uterine leiomyomata.,RAD51B,R51H2,RAD51L1,REC2,Epigenetics & Nuclear Signaling,DNA Damage & Repair,RAD51B
Molecular Weight:	25 kDa/38 kDa/40 kDa/42 kDa
Gene ID:	5890
UniProt:	015315
Pathways:	DNA Damage Repair
Application Details	
Application Notes:	WB,1:500 - 1:2000
Comment:	HIGH QUALITY
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

 Preservative:
 Sodium azide

 Precaution of Use:
 This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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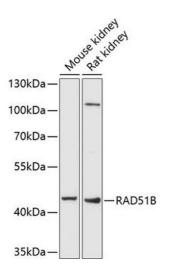
## Handling

Storage: -20 °C

Storage Comment:

Store at -20°C. Avoid freeze / thaw cycles.

## Images



## Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using RB antibody (ABIN6132613, ABIN6146640, ABIN6146643 and ABIN6222714) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 90s.