

Datasheet for ABIN2787357

**anti-RAD51 Homolog B antibody (Middle Region)**[Go to Product page](#)

## 4 Images

## Overview

Quantity:	100 µL
Target:	RAD51 Homolog B (Rad51B)
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Rabbit, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RAD51 Homolog B antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human RAD51L1
Sequence:	TESAFSAERL VEIAESRFPR YFNTEEKLLL TSSKVHLYRE LTCDEVLQRI
Predicted Reactivity:	Cow: 93%, Dog: 100%, Guinea Pig: 100%, Horse: 79%, Human: 100%, Mouse: 93%, Rabbit: 100%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against RAD51L1. It was validated on Western Blot.
Purification:	Affinity Purified

## Target Details

Target:	RAD51 Homolog B (Rad51B)
Alternative Name:	RAD51L1 ( <a href="#">Rad51B Products</a> )

## Target Details

Background:	<p>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. At least three alternatively spliced transcript variants encoding distinct isoforms have been observed.</p> <p>Alias Symbols: MGC34245, R51H2, RAD51B, REC2, hREC2, RAD51L1</p> <p>Protein Interaction Partner: FAM9B, SWSAP1, UBC, HIST1H2BG, HIST2H4A, RAD51D, HIST1H3A, RAD51C, H1FO, XRCC2, RAD51, HIST1H1A, HIST3H2BB, HIST3H3, HIST4H4,</p> <p>Protein Size: 350</p>
Molecular Weight:	38 kDa
Gene ID:	5890
NCBI Accession:	<a href="#">NM_133510</a> , <a href="#">NP_598194</a>
Pathways:	<a href="#">DNA Damage Repair</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 350 AA
Restrictions:	For Research Use only

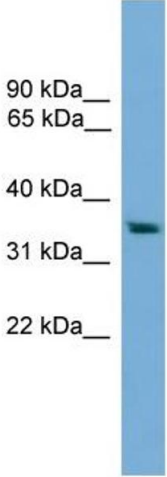
## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C

Handling

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



90 kDa\_\_  
65 kDa\_\_  
40 kDa\_\_  
31 kDa\_\_  
22 kDa\_\_

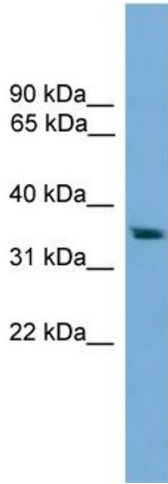
**Western Blotting**

**Image 1. WB Suggested Anti-RAD51L1 Antibody Titration:**

0.2-1 ug/ml

**ELISA Titer:** 1:1562500

**Positive Control:** HepG2 cell lysate



90 kDa\_\_  
65 kDa\_\_  
40 kDa\_\_  
31 kDa\_\_  
22 kDa\_\_

Rabbit Anti-RAD51L1 Antibody  
Catalog Number: ARP57720  
Lot Number: QC29321  
Lane: HepG2 Cell Lysate

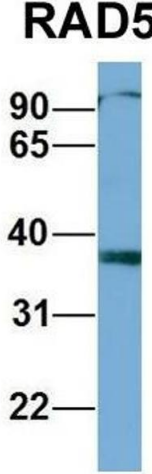
Antibody Titration: 1.0µg/ml  
Gel Concentration: 12%

**Western Blotting**

**Image 2. WB Suggested Anti-RAD51L1**

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:1562500

Positive Control: HepG2 cell lysate



90—  
65—  
40—  
31—  
22—

**RAD51B**

Rabbit Anti-RAD51B  
Sample Type: Human Fetal Brain  
Antibody Concentration: 1ug/mL

**Western Blotting**

**Image 3. Host: Rabbit**

Target Name: RAD51B

Sample Tissue: Human Fetal Brain

Antibody Dilution: 1.0 µg/mL

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2787357.