

For Research Use Only

# RAD51C Recombinant antibody, PBS Only

Catalog Number: 84537-5-PBS



## Basic Information

Catalog Number:	84537-5-PBS	GenBank Accession Number:	BC107753	Purification Method:	Protein A purification
Size:	1 mg/ml	GeneID (NCBI):	5889	CloneNo.:	241971A11
Source:	Rabbit	UNIPROT ID:	O43502		
Isotype:	IgG	Full Name:	RAD51 homolog C (S. cerevisiae)		
Immunogen Catalog Number:	AG35070	Calculated MW:	376 aa, 42 kDa		
		Observed MW:	40-42 kDa		

## Applications

**Tested Applications:**  
WB, FC (Intra), Indirect ELISA

**Species Specificity:**  
human, mouse

## Background Information

RAD51C (DNA repair protein RAD51 homolog 3) is essential for the homologous recombination (HR) pathway of DNA repair and is involved in the homologous recombination repair (HRR) pathway of double-stranded DNA breaks arising during DNA replication or induced by DNA-damaging agents (PMID: 14716019; 16215984; 16395335).

## Storage

**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

For technical support and original validation data for this product please contact:

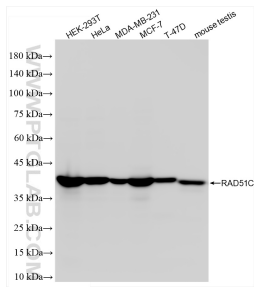
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

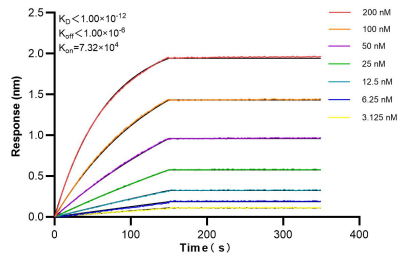
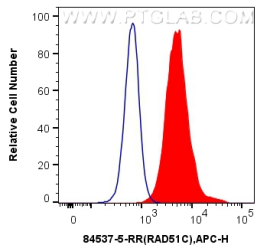
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84537-5-RR (RAD51C antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84537-5-PBS in a different storage buffer formulation.

1x10<sup>6</sup> MCF-7 cells were intracellularly stained with 0.25 ug RAD51C Recombinant antibody (84537-5-RR, Clone:241971A11) and APC-Conjugated Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 84537-5-PBS in a different storage buffer



Biolayer interferometry (BLI) kinetic assays of 84537-5-RR against Human RAD51C were performed. The affinity constant is below 1 pM.