

For Research Use Only

RAD51 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87990-1-PBS



Basic Information

Catalog Number: 87990-1-PBS	GenBank Accession Number: BC001459	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 5888	CloneNo.: 260095G11
Source: Rabbit	UNIPROT ID: Q06609	
Isotype: IgG	Full Name: RAD51 homolog (RecA homolog, E. coli) (S. cerevisiae)	
Immunogen Catalog Number: AG6823	Calculated MW: 37 kDa	
	Observed MW: 37 kDa	

Applications

Tested Applications:
WB, IP, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

RAD51 plays a critical role in the maintenance of genomic integrity by functioning in the repair of DNA double-strand breaks. It mediates homologous pairing and strand exchange in recombinatory structures known as RAD51 foci in the nucleus. It also can bind to single and double stranded DNA and exhibits DNA-dependent ATPase activity. In addition, it has a role in regulating mitochondrial DNA copy number under conditions of oxidative stress in the presence of RAD51C and XRCC3.

Storage

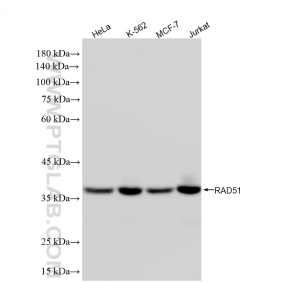
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

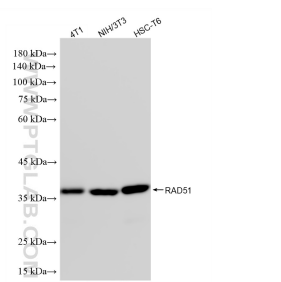
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

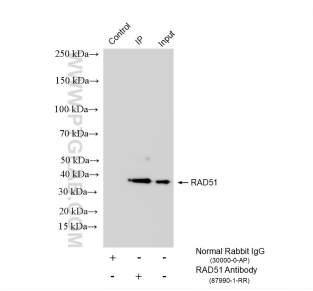
Selected Validation Data



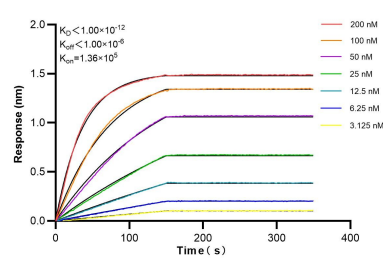
Various lysates were subjected to SDS PAGE followed by western blot with 87990-1-RR (RAD51 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87990-1-PBS in a different storage buffer formulation.



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IP result of anti-RAD51 (IP:87990-1-RR, 4ug; Detection:87990-1-RR 1:3000) with HeLa cells lysate 1000 ug. This data was developed using the same antibody clone with 87990-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 87990-1-RR against Human RAD51 were performed. The affinity constant is below 1 pM.