

For Research Use Only

RAD51 Monoclonal antibody

Catalog Number: 67024-1-Ig

Featured Product

1 Publications



Basic Information

Catalog Number: 67024-1-Ig	GenBank Accession Number: BC001459	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5888	CloneNo.: 4A12B8
Source: Mouse	Full Name: RAD51 homolog (RecA homolog, E. coli) (S. cerevisiae)	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:250-1:1000
Isotype: IgG2a	Calculated MW: 37 kDa	
Immunogen Catalog Number: AG7410	Observed MW: 37 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : Jurkat cells, 4T1 cells, NIH/3T3 cells
Cited Applications: WB	IHC : mouse testis tissue,
Species Specificity: Human, mouse, rat	
Cited Species: mouse	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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 RAD51foci 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Ruijie Qian	35477389	J Nanobiotechnology	WB

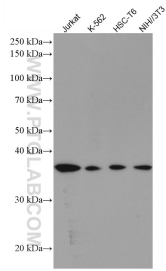
Storage

Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

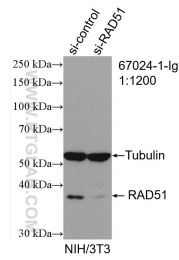
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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

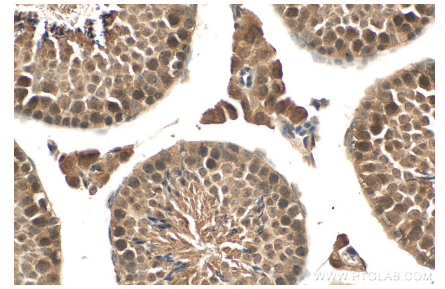
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67024-1-Ig (RAD51 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



WB result of RAD51 antibody (67024-1-Ig; 1:1200; incubated at room temperature for 1.5 hours) with sh-Control and sh-RAD51 transfected NIH/3T3 cells.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 67024-1-Ig (RAD51 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).