

For Research Use Only

# RAD51 Monoclonal antibody, PBS Only

Catalog Number: 67024-1-PBS

Featured Product



## Basic Information

Catalog Number:

67024-1-PBS

Concentration:

1mg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG7410

GenBank Accession Number:

BC001459

GeneID (NCBI):

5888

UNIPROT ID:

Q06609

Full Name:

RAD51 homolog (RecA homolog, E. coli) (S. cerevisiae)

Calculated MW:

37 kDa

Observed MW:

37 kDa

Purification Method:

Protein A purification

CloneNo.:

4A12B8

## Applications

Tested Applications:

WB, IHC, 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.

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:

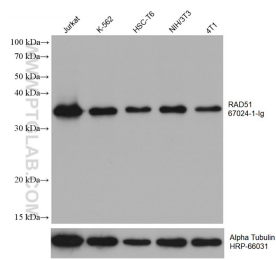
T: 4006900926

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

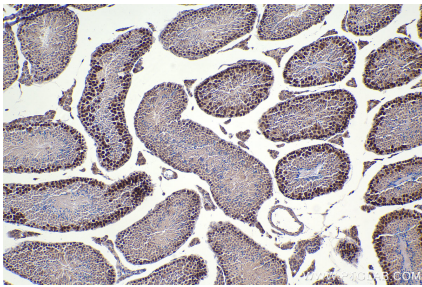
W: [ptgcn.com](http://ptgcn.com)

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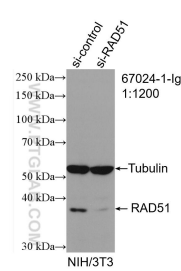
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67024-1-Ig (RAD51 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control. This data was developed using the same antibody clone with 67024-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 67024-1-Ig (RAD51 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67024-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 67024-1-PBS in a different storage buffer formulation.