RAD51 Polyclonal ANTIBODY
Catalog Number: 14961-1-AP

Basic Information
Catalog Number: 14961-1-AP
Size: 34 μg/150 μl
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification
Immunogen Catalog Number: AG6823
GenBank Accession Number: BC001459
GeneID (NCBI): 5888
Full Name: RAD51 homolog (RecA homolog, E. coli) (S. cerevisiae)
Calculated MW: 37 kDa
Observed MW: 37 kDa
Recommended Dilutions:
WB: 1:500-1:2000
IP: 0.5-4.0 μg for IP and 1:500-1:2000 for WB
IHC: 1:50-1:500

Applications
Tested Applications: IHC, IP, WB, ELISA
Cited Applications: IF, WB
Species Specificity:
human, mouse
Cited Species: human, mouse

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.

Notable Publications

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<th>Author</th>
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<tr>
<td>Xin-Ping Yu</td>
<td>29104487</td>
<td>Int J Med Sci</td>
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<td>You Wang</td>
<td>28638454</td>
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<td>Qian Zhao</td>
<td>26795703</td>
<td>Biomed Pharmacother</td>
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Storage
Store at -20°C. Stable for one year after shipment.
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:
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.
mouse testis tissue were subjected to SDS-PAGE followed by western blot with 14961-1-AP (RAD51 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.

Immunohistochemistry of paraffin-embedded human testis tissue slide using 14961-1-AP (RAD51 Antibody) at dilution of 1:200 (under 40x lens).