

For Research Use Only

# RAD51C Polyclonal antibody

Catalog Number: 31678-1-AP



## Basic Information

<b>Catalog Number:</b> 31678-1-AP	<b>GenBank Accession Number:</b> BC107753	<b>Purification Method:</b> Antigen affinity Purification
<b>Concentration:</b> 550 ug/ml	<b>GeneID (NCBI):</b> 5889	<b>Recommended Dilutions:</b> WB 1:1000-1:5000 IHC 1:250-1:1000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O43502	
<b>Isotype:</b> IgG	<b>Full Name:</b> RAD51 homolog C (S. cerevisiae)	
<b>Immunogen Catalog Number:</b> AG35070	<b>Calculated MW:</b> 376 aa, 42 kDa <b>Observed MW:</b> 40-42 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse	<b>WB :</b> HEK-293T cells, HeLa cells, MDA-MB-231 cells, mouse testis tissue
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> mouse testis tissue,

## 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 -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

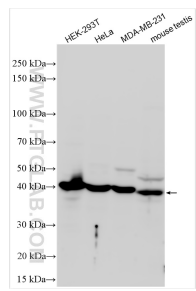
T: 4006900926

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

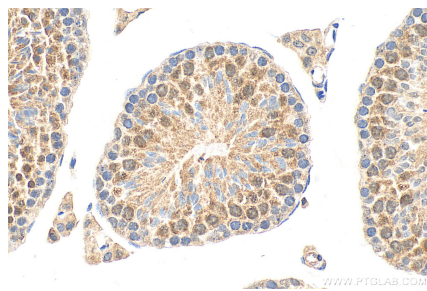
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31678-1-AP (RAD51C antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 31678-1-AP (RAD51C antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).