

# Rad51 antibody [14B4]

**Cat. No. GTX70230**

<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG2a
<b>Application</b>	WB, ICC/IF, IHC-P, IP, IHC, PLA
<b>Reactivity</b>	Human, Mouse, Rat, Chicken

Reference ( 101 )

★★★★☆ Review ( 1 )

Package  
100 µl

## APPLICATION

### Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500-1:3000
ICC/IF	1:100-1:1000
IHC-P	1:100-1:1000
IP	Assay dependent
IHC	Assay dependent
PLA	Assay dependent

Not tested in other applications.

**Calculated MW** 37 kDa. ( [Note](#) )

## PROPERTIES

<b>Form</b>	Liquid
<b>Buffer</b>	PBS
<b>Preservative</b>	No preservative
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
<b>Concentration</b>	1 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	Full length (amino acids 1-338) Rad51 expressed in E. coli.
<b>Purification</b>	Purified by antigen-affinity chromatography.
<b>Conjugation</b>	Unconjugated

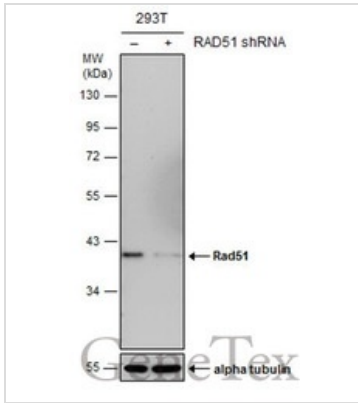


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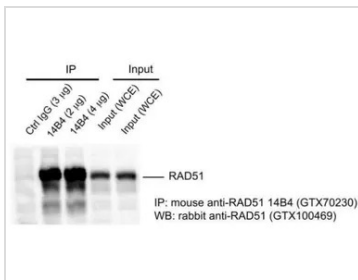
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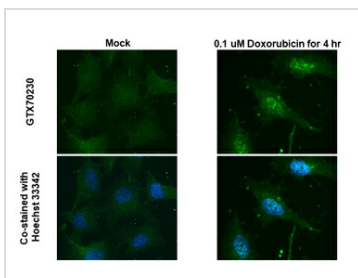
**DATA IMAGES**

**GTX70230 WB Image**

Non-transfected (–) and transfected (+) 293T whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with Rad51 antibody [14B4] (GTX70230) diluted at 1:500. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.


**GTX70230 IP Image**

Mouse anti-RAD51 14B4 antibody (GTX70230) was used in IP assay (immunoprecipitation) using HeLa cell extract prepared with lysis 180 buffer (40 mM Tris-HCl pH8.0, 180 mM NaCl, 1 mM EDTA, 0.5% NP-40). Rabbit anti-RAD51 antibody (GTX100469) was used for subsequent WB detection of immunoprecipitated RAD51.

Whole cell extract was used as input.

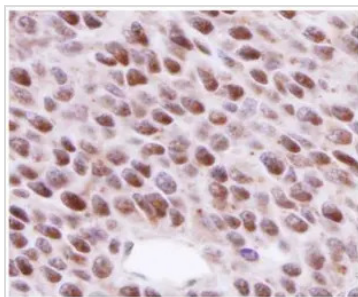

**GTX70230 ICC/IF Image**

Rad51 antibody [14B4] detects Rad51 protein at nuclear foci by immunofluorescent analysis.

Sample: Mock and treated HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min.

Green: Rad51 stained by Rad51 antibody [14B4] (GTX70230) diluted at 1:500.

Blue: Fluoroshield with DAPI (GTX30920).


**GTX70230 IHC-P Image**

RAD51 antibody 14B4 (GTX70230) detects RAD51 in nucleus on BT483 xenograft by immunohistochemical analysis.

Sample: Paraffin-embedded BT483 xenograft.

RAD51 antibody 14B4 (GTX70230) dilution: 1:200.

Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min



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