

Rad51 antibody [N1C2]

Cat. No. GTX100469

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF, IHC-P, IP
Reactivity	Human, Mouse, Rat, Zebrafish

References (52)

Package

100 µl, 25 µl

PRODUCT

Summary

RAD51 antibody detects RAD51 protein, also known as RAD51 homolog A. RAD51 (37 kDa) is the indispensable strand exchange factor for homologous recombination in DNA repair. It is also essential for replication fork processing and for genome stability. This RAD51 antibody is a well-cited rabbit polyclonal validated for many applications.

Applications

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	1:100-1:500

Not tested in other applications.

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

Product Note KO/KD validation is based on published data (PMID: 23724141).

Properties

Form	Liquid
Buffer	PBS, 1% BSA, 20% Glycerol
Preservative	0.025% ProClin 300
Storage	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.
Concentration	0.14 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant protein encompassing a sequence within the center region of human Rad51. The exact sequence is proprietary.



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Purification

Purified by antigen-affinity chromatography.

Conjugation

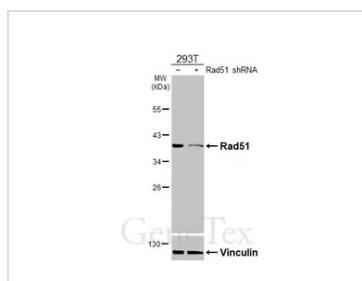
Unconjugated

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

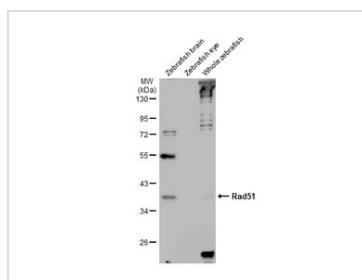
Note

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

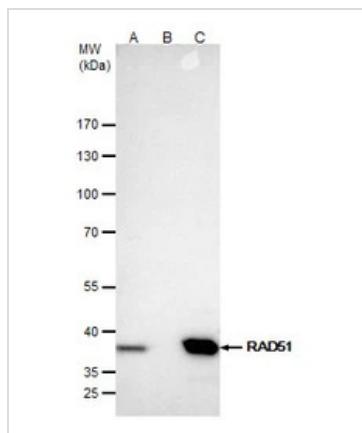
DATA IMAGES

**GTX100469 WB Image**

Non-transfected (-) and transfected (+) 293T whole cell extracts were separated by 10% SDS-PAGE, and the membrane was blotted with Rad51 antibody [N1C2] (GTX100469) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

**GTX100469 WB Image**

Various tissue extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with Rad51 antibody [N1C2] (GTX100469) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced.

**GTX100469 IP Image**

Rad51 antibody [N1C2] immunoprecipitates Rad51 protein in IP experiments.

IP samples: Jurkat whole cell extract

A. 40 µg Jurkat whole cell extract

B. Control with 4 µg of preimmune Rabbit IgG

C. Immunoprecipitation of Rad51 protein by 4 µg Rad51 antibody [N1C2] (GTX100469)

5 % SDS-PAGE

The immunoprecipitated Rad51 protein was detected by Rad51 antibody [N1C2] (GTX100469) diluted at 1:500.

[EasyBlot anti-rabbit IgG (GTX221666-01) was used as a secondary reagent]



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