

RAD51 Monoclonal Antibody (14B4)

Product Details

Size	100 µL
Species Reactivity	Chicken, Human, Mouse, Rat
Published Species	Human
Host/Isotype	Mouse / IgG2a
Class	Monoclonal
Type	Antibody
Clone	14B4
Conjugate	Unconjugated
Immunogen	Full length Rad51 protein (amino acids 1-338) expressed in E. coli.
Form	Liquid
Concentration	1.0 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7
Contains	no preservative
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_560832

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:3,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000	-
Immunocytochemistry (ICC/IF)	1:100-1:1,000	2 Publications
Immunoprecipitation (IP)	Assay-dependent	-
in situ PLA (PLA)	Assay-dependent	-

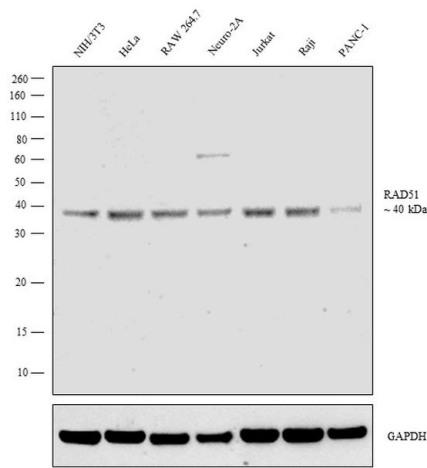
Product Specific Information

A suggested positive control for this product is T24.

Product Images For RAD51 Monoclonal Antibody (14B4)

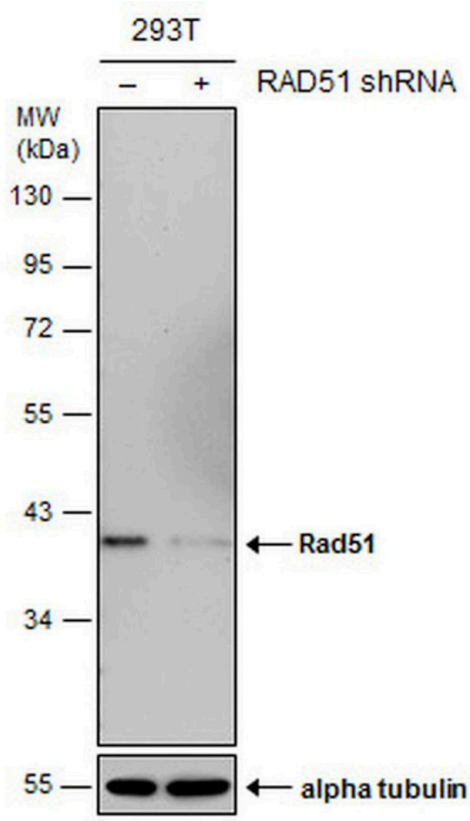
RAD51 Antibody (MA1-23271) in WB

Western blot analysis was performed on modified whole cell extracts (1% SDS) (30 µg lysate) of NIH/3T3 (Lane 1), HeLa (Lane 2), RAW 264.7 (Lane 3), Neuro-2A (Lane 4), Jurkat (Lane 5), Raji (Lane 6) and PANC-1 (Lane 7). The blot was probed with Anti-RAD51 Monoclonal Antibody (Product # MA1-23271, 1:1000 dilution) and detected by chemiluminescence using Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate (Product # A28177, 0.25 µg/mL, 1:4000 dilution). A 40 kDa band corresponding to RAD51 was observed in all the cell lines tested.



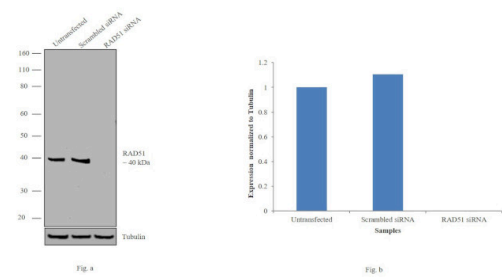
RAD51 Antibody (MA1-23271)

Antibody specificity was demonstrated by siRNA mediated knockdown of the target protein. 293T cells were transfected with RAD51 siRNA and decrease in signal intensity was observed in western blot application using RAD51 Antibody (Product # MA1-23271). {KD}



RAD51 Antibody (MA1-23271)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HeLa cells were transfected with RAD51 siRNA and reduction of signal was observed in Western Blot using RAD51 Monoclonal Antibody (14B4) (Product # MA1-23271). {KD}



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Immunocytochemistry (2)

<p>Cell death & disease</p> <p>Alterations in the p53 isoform ratio govern breast cancer cell fate in response to DNA damage.</p> <p>"MA1-23271 was used in Immunocytochemistry-immunofluorescence to suggest that the response of breast cancer cells to standard of care DNA-damaging therapies is dependent on the expression of p53 isoforms, which may contribute to outcomes in breast cancer."</p> <p>Authors: Steffens Reinhardt L,Zhang X,Groen K,Morten BC,De Iuliis GN,Braithwaite AW,Bourdon JC,Avery-Kiejda KA</p>	<p>Year 2022</p> <p>Species Human</p> <p>Dilution 1:100</p>
<p>Genes & development</p> <p>A localized nucleolar DNA damage response facilitates recruitment of the homology-directed repair machinery independent of cell cycle stage.</p> <p>"MA1-23271 was used in immunocytochemistry to study the response to double-stranded breaks at the nucleolar organizer regions."</p> <p>Authors: van Sluis M,McStay B</p>	<p>Year 2015</p> <p>Species Human</p>

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