

Product Datasheet

Rad51 Antibody (JM54-26) NBP2-75640

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-75640

Rad51 Antibody (JM54-26)

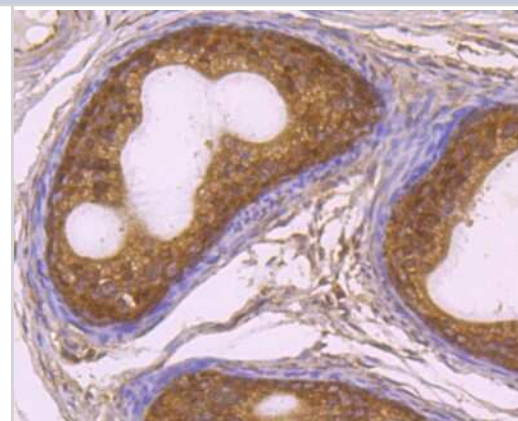
Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	JM54-26
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol
Target Molecular Weight	37 kDa

Product Description	
Description	Novus Biologicals Rabbit Rad51 Antibody (JM54-26) (NBP2-75640) is a recombinant monoclonal antibody validated for use in IHC, WB, Flow, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	5888
Gene Symbol	RAD51
Species	Human, Mouse, Rat
Immunogen	Synthetic peptide within Human Rad51 aa 1-50 / 339. (SwissProt: Q06609 Human; SwissProt: Q08297 Mouse; SwissProt: B5DF04 Rat)

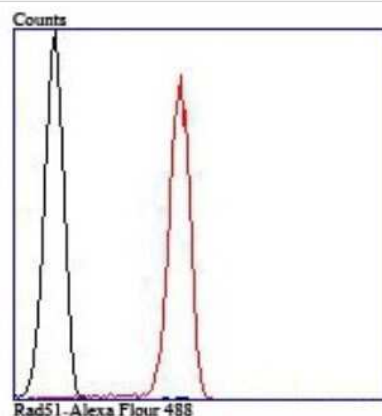
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000, Flow Cytometry 1:1,000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence IF-Cell-1:50-1:200, IF-Tissue-1:50-1:100, Immunoprecipitation Use at an assay dependent concentration, Immunohistochemistry-Paraffin 1:50-1:1000

Images

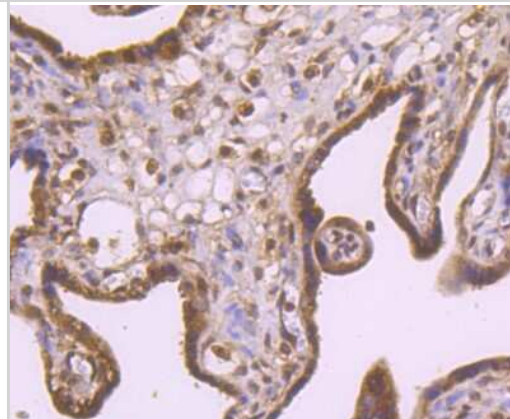
Immunohistochemistry-Paraffin: Rad51 Antibody (JM54-26) [NBP2-75640] - Analysis of paraffin-embedded rat epididymis tissue using anti-Rad51 antibody. Counter stained with hematoxylin.



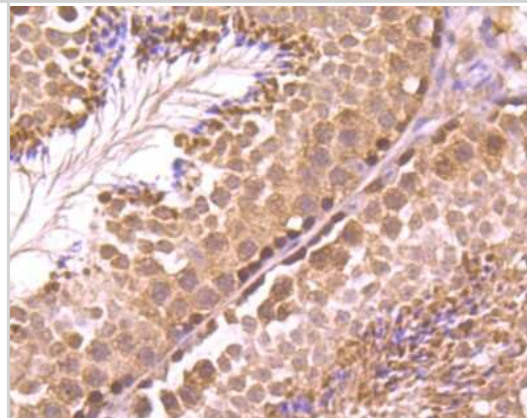
Flow Cytometry: Rad51 Antibody (JM54-26) [NBP2-75640] - Analysis of Jurkat cells with Rad51 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black).



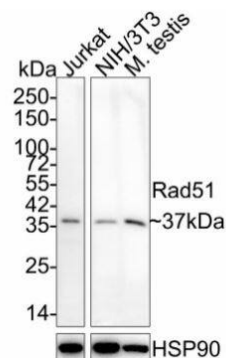
Immunohistochemistry-Paraffin: Rad51 Antibody (JM54-26) [NBP2-75640] - Analysis of paraffin-embedded human placenta tissue using anti-Rad51 antibody. Counter stained with hematoxylin.



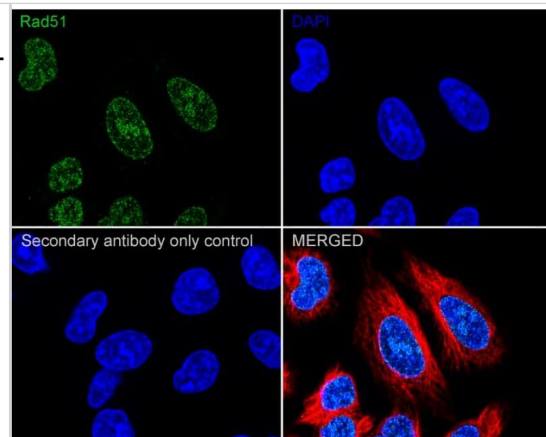
Immunohistochemistry-Paraffin: Rad51 Antibody (JM54-26) [NBP2-75640] - Analysis of paraffin-embedded mouse testis tissue using anti-Rad51 antibody. Counter stained with hematoxylin.



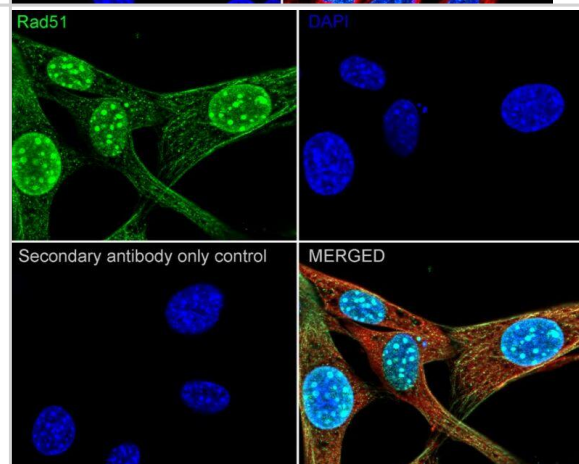
Western Blot: Rad51 Antibody (JM54-26) [NBP2-75640] - Analysis of Rad51 on different lysates with Rabbit anti-Rad51 antibody at 1/1,000 dilution. Lane 1: Jurkat cell lysate (10 µg/Lane) Lane 2: NIH/3T3 cell lysate (10 µg/Lane) Lane 3: Mouse testis tissue lysate (20 µg/Lane) Predicted band size: 37 kDa Observed band size: 37 kDa Exposure time: 3 minutes; 4-20% SDS-PAGE gel. Proteins were transferred to a PVDF membrane and blocked with 5% NFDN/TBST for 1 hour at room temperature. The primary antibody at 1/1,000 dilution was used in 5% NFDN/TBST at 4°C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.



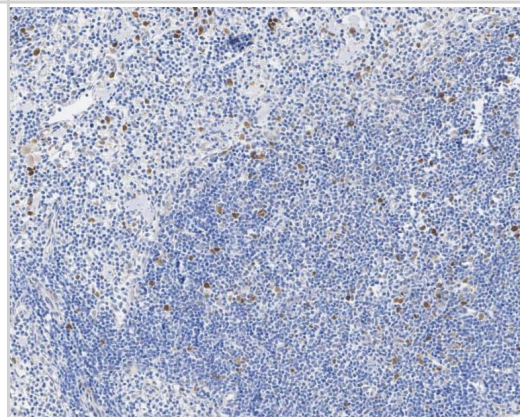
Immunocytochemistry/Immunofluorescence: Rad51 Antibody (JM54-26) [NBP2-75640] - Analysis of U-2 OS cells labeling Rad51 with Rabbit anti-Rad51 antibody at 1/100 dilution. Cells were fixed in 100% precooled methanol for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Rabbit anti-Rad51 antibody (ET1705-96) at 1/100 dilution in 1% BSA in PBST overnight at 4 °C. Goat Anti-Rabbit IgG H&L (iFluor™ 488,) was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI. Beta tubulin (red) was stained at 1/100 dilution overnight at +4°C. Goat Anti-Mouse IgG H&L (iFluor™ 594,) was used as the secondary antibody at 1/1,000 dilution.



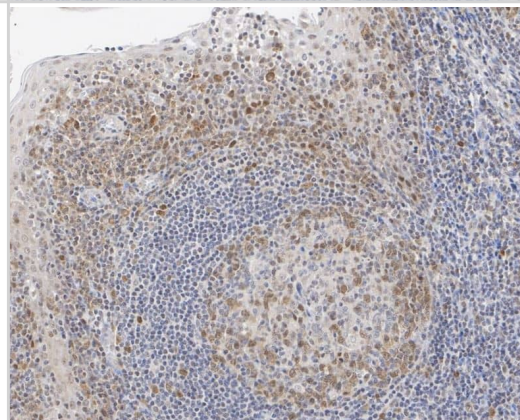
Immunocytochemistry/Immunofluorescence: Rad51 Antibody (JM54-26) [NBP2-75640] - Analysis of NIH/3T3 cells labeling Rad51 with Rabbit anti-Rad51 antibody at 1/200 dilution. Cells were fixed in 4% paraformaldehyde for 20 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Rabbit anti-Rad51 antibody (at 1/200 dilution in 1% BSA in PBST overnight at 4 °C. Goat Anti-Rabbit IgG H&L (iFluor™ 488,) was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI. Beta tubulin (red) was stained at 1/100 dilution overnight at +4°C. Goat Anti-Mouse IgG H&L (iFluor™ 594,) was used as the secondary antibody at 1/1,000 dilution.



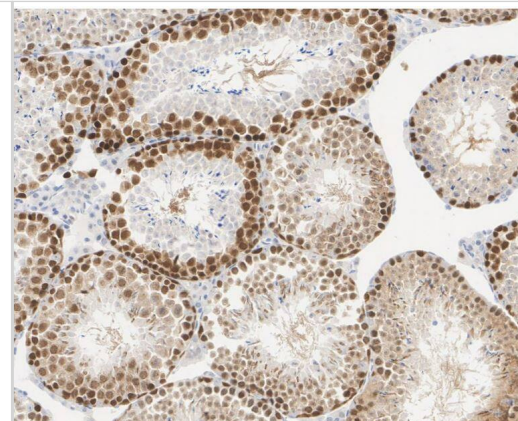
Immunohistochemistry-Paraffin: Rad51 Antibody (JM54-26) [NBP2-75640] - Mouse spleen tissue with Rabbit anti-Rad51 antibody at 1/500 dilution. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody at 1/500 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Immunohistochemistry-Paraffin: Rad51 Antibody (JM54-26) [NBP2-75640] - Human tonsil tissue with Rabbit anti-Rad51 antibody at 1/500 dilution. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody at 1/500 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Immunohistochemistry-Paraffin: Rad51 Antibody (JM54-26) [NBP2-75640] -Mouse testis tissue with Rabbit anti-Rad51 antibody at 1/1,000 dilution. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody at 1/1,000 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Publications

Turner J, Moore G, McCraw T et al. Overexpression of the NEK8 kinase inhibits homologous recombination. DNA repair 2025-10-08 [PMID: 41101173]



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Products Related to NBP2-75640

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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