

# Product Datasheet

## Rad21 Antibody NBP2-76959

Unit Size: 100  $\mu$ l

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

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**NBP2-76959**

Rad21 Antibody

**Product Information**

<b>Unit Size</b>	100 ul
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH7.4), 0.2% BSA, 50% Glycerol
<b>Target Molecular Weight</b>	120 kDa

**Product Description**

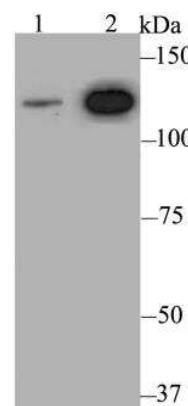
<b>Host</b>	Rabbit
<b>Gene Symbol</b>	RAD21
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	Recombinant protein within Human Rad21 aa 252-456 / 631. (SwissProt: O60216 Human; SwissProt: Q61550 Mouse; Entrez Gene: 314949 Rat)

**Product Application Details**

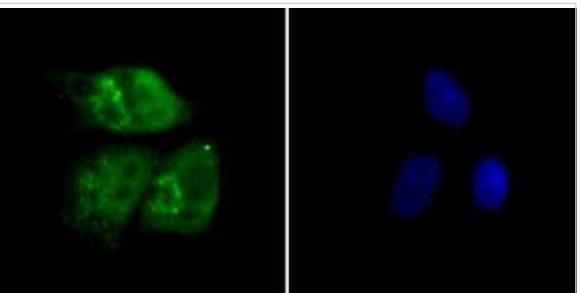
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:500-1:2000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunohistochemistry-Paraffin 1:100-1:400

**Images**

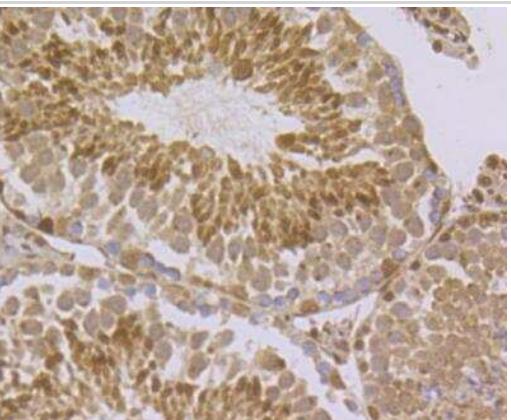
Western Blot: Rad21 Antibody [NBP2-76959] - Western blot analysis of Rad21 on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody was used at a 1:500 dilution in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature. Positive control: Lane 1: Mouse ovary tissue lysate Lane 2: Daudi cell lysate



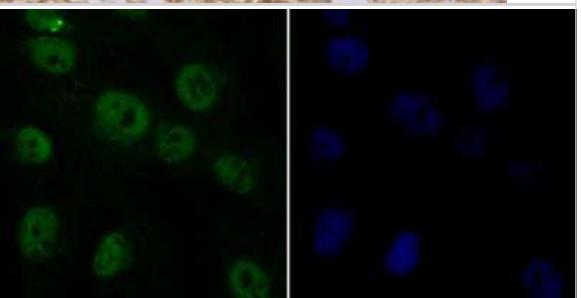
Immunocytochemistry/Immunofluorescence: Rad21 Antibody [NBP2-76959] - ICC staining Rad21 in SK-Br-3 cells (green). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA for 15 minutes at room temperature. Cells were probed with Rad21 polyclonal antibody at a dilution of 1:100 for 1 hour at room temperature, washed with PBS. Alexa Fluor 488 Goat anti-Rabbit IgG was used as the secondary antibody at 1/100 dilution. The nuclear counter stain is DAPI (blue).



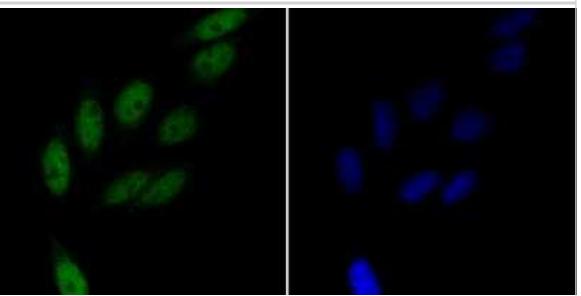
Immunohistochemistry: Rad21 Antibody [NBP2-76959] - Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-Rad21 antibody. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the antibody at 1/200 dilution, for 30 minutes at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chrogen. Counter stained with hematoxylin and mounted with DPX.



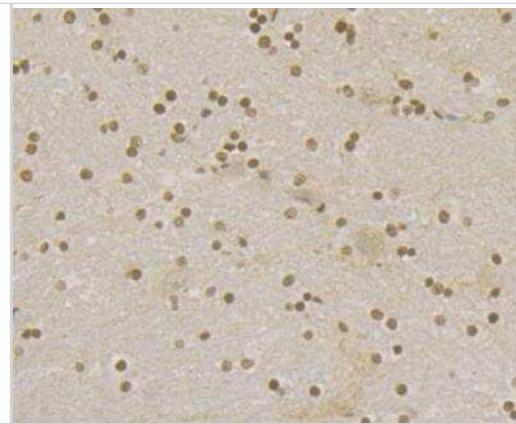
Immunocytochemistry/Immunofluorescence: Rad21 Antibody [NBP2-76959] - ICC staining Rad21 in MG-63 cells (green). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA for 15 minutes at room temperature. Cells were probed with Rad21 polyclonal antibody at a dilution of 1:100 for 1 hour at room temperature, washed with PBS. Alexa Fluor 488 Goat anti-Rabbit IgG was used as the secondary antibody at 1/100 dilution. The nuclear counter stain is DAPI (blue).



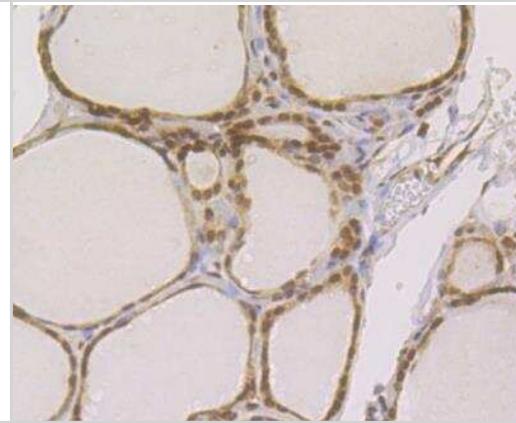
Immunocytochemistry/Immunofluorescence: Rad21 Antibody [NBP2-76959] - ICC staining Rad21 in SiHa cells (green). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA for 15 minutes at room temperature. Cells were probed with Rad21 polyclonal antibody at a dilution of 1:100 for 1 hour at room temperature, washed with PBS. Alexa Fluor 488 Goat anti-Rabbit IgG was used as the secondary antibody at 1/100 dilution. The nuclear counter stain is DAPI (blue).



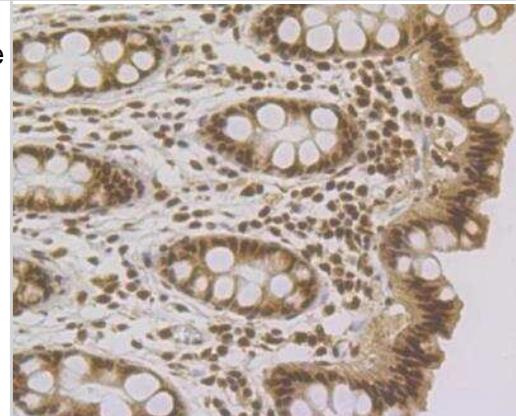
Immunohistochemistry: Rad21 Antibody [NBP2-76959] -  
Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-Rad21 antibody. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the antibody at 1/200 dilution, for 30 minutes at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chrogen. Counter stained with hematoxylin and mounted with DPX.



Immunohistochemistry: Rad21 Antibody [NBP2-76959] -  
Immunohistochemical analysis of paraffin-embedded human thyroid gland cancer tissue using anti-Rad21 antibody. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the antibody at 1/200 dilution, for 30 minutes at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chrogen. Counter stained with hematoxylin and mounted with DPX.



Immunohistochemistry: Rad21 Antibody [NBP2-76959] -  
Immunohistochemical analysis of paraffin-embedded human colon tissue using anti-Rad21 antibody. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the antibody at 1/200 dilution, for 30 minutes at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chrogen. Counter stained with hematoxylin and mounted with DPX.





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## Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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