

# Product Datasheet

## DNA Ligase I Antibody (0D6M4)

### NBP3-33540-100ul

Unit Size: 100 ul

Store at -20C. Avoid freeze-thaw cycles.

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**NBP3-33540-100ul**

DNA Ligase I Antibody (0D6M4)

**Product Information**

<b>Unit Size</b>	100 ul
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	0D6M4
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS (pH 7.3), 50% glycerol, 0.05% BSA
<b>Target Molecular Weight</b>	102 kDa

**Product Description**

<b>Description</b>	Novus Biologicals Rabbit DNA Ligase I Antibody (0D6M4) (NBP3-33540) is a monoclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	3978
<b>Gene Symbol</b>	LIG1
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	Recombinant fusion protein containing a sequence corresponding to amino acids 1-91 of human DNA Ligase I (P18858).  Sequence: MQRSIMSFFHPKKEGKAKKPEKEASNSSRETEPPPKAALKEWNGVVSESDSP VKRPGRKAARVLGSEGEEDALSPAKGQKPALDCSQVS

**Product Application Details**

<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:500 - 1:1000, ELISA Recommended starting concentration is 1 ug/mL, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50 - 1:200, Immunohistochemistry-Paraffin 1:50 - 1:200

**Images**

Western Blot: DNA Ligase I Antibody (0D6M4) [NBP3-33540] - Western blot analysis of lysates from Jurkat cells, using DNA Ligase I Rabbit mAb at 1:1000 dilution.

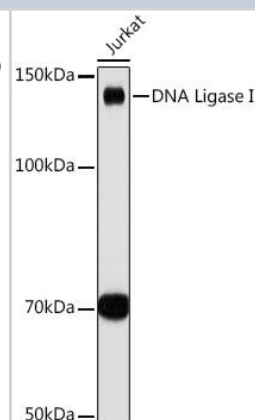
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit.

Exposure time: 30s.



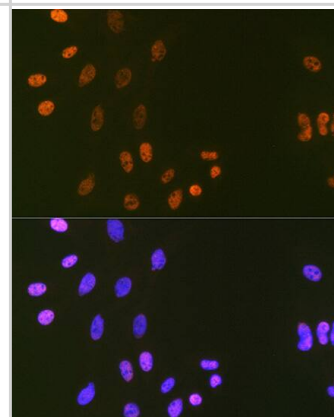
Immunohistochemistry: DNA Ligase I Antibody (0D6M4) [NBP3-33540] - Immunohistochemistry analysis of DNA Ligase I in paraffin-embedded human colon carcinoma tissue using DNA Ligase I Rabbit mAb at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry: DNA Ligase I Antibody (0D6M4) [NBP3-33540] - Immunohistochemistry analysis of DNA Ligase I in paraffin-embedded rat lung tissue using DNA Ligase I Rabbit mAb at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunocytochemistry/ Immunofluorescence: DNA Ligase I Antibody (0D6M4) [NBP3-33540] - Immunofluorescence analysis of C6 cells using DNA Ligase I Rabbit mAb (A9301) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry: DNA Ligase I Antibody (0D6M4) [NBP3-33540] - Immunohistochemistry analysis of DNA Ligase I in paraffin-embedded rat brain tissue using DNA Ligase I Rabbit mAb at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry: DNA Ligase I Antibody (0D6M4) [NBP3-33540] -  
Immunohistochemistry analysis of DNA Ligase I in paraffin-embedded  
human thyroid cancer tissue using DNA Ligase I Rabbit mAb at a dilution  
of 1:200 (40x lens). High pressure antigen retrieval was performed with  
0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry: DNA Ligase I Antibody (0D6M4) [NBP3-33540] -  
Immunohistochemistry analysis of DNA Ligase I in paraffin-embedded  
human spleen tissue using DNA Ligase I Rabbit mAb at a dilution of  
1:200 (40x lens). High pressure antigen retrieval was performed with  
0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry: DNA Ligase I Antibody (0D6M4) [NBP3-33540] -  
Immunohistochemistry analysis of DNA Ligase I in paraffin-embedded  
mouse brain tissue using DNA Ligase I Rabbit mAb at a dilution of 1:200  
(40x lens). High pressure antigen retrieval was performed with 0.01 M  
citrate buffer (pH 6.0) prior to IHC staining.





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### **Products Related to NBP3-33540-100ul**

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NB100-56635PEP	DNA Ligase I Antibody Blocking Peptide

### **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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