

Product Datasheet

DNA Ligase IV Antibody - BSA Free NBP2-16182

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Publications: 1

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-16182

Updated 2/23/2025 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NBP2-16182



NBP2-16182**DNA Ligase IV Antibody - BSA Free****Product Information**

Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Thimerosal
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	0.1M Tris (pH 7), 0.1M Glycine, 20% Glycerol
Target Molecular Weight	104 kDa

Product Description

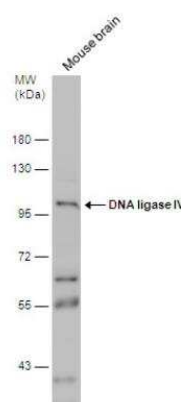
Host	Rabbit
Gene ID	3981
Gene Symbol	LIG4
Species	Human, Mouse, Rat
Reactivity Notes	Sheep (83%), Bovine (86%).
Immunogen	Recombinant protein encompassing a sequence within the C-terminus region of human DNA Ligase IV. The exact sequence is proprietary.

Product Application Details

Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000

Images

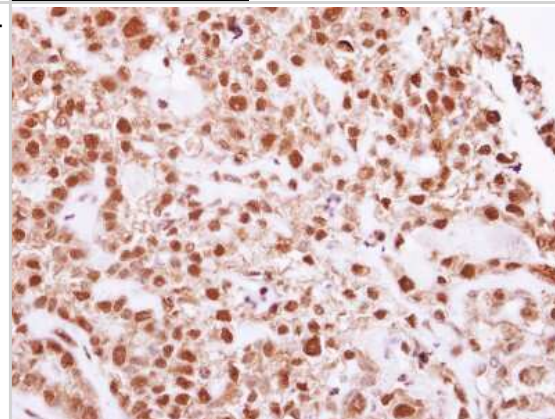
Western Blot: DNA Ligase IV Antibody [NBP2-16182] - Mouse tissue extract (50 ug) was separated by 7.5% SDS-PAGE, and the membrane was blotted with DNA ligase IV antibody diluted at 1:500.



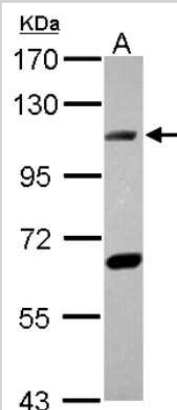
Immunocytochemistry/Immunofluorescence: DNA Ligase IV Antibody [NBP2-16182] - Analysis of paraformaldehyde-fixed HeLa, using antibody at 1:500 dilution.



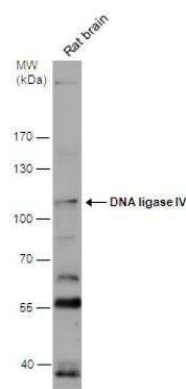
Immunohistochemistry-Paraffin: DNA Ligase IV Antibody [NBP2-16182] - Human ovarian cancer, using DNA ligase IV antibody at 1:250 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



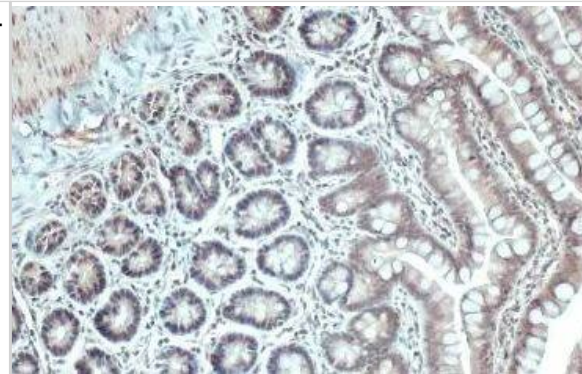
Western Blot: DNA Ligase IV Antibody [NBP2-16182] - Sample (30 ug of whole cell lysate) A: U87-MG 7. 5% SDS PAGE gel, diluted at 1:1000.



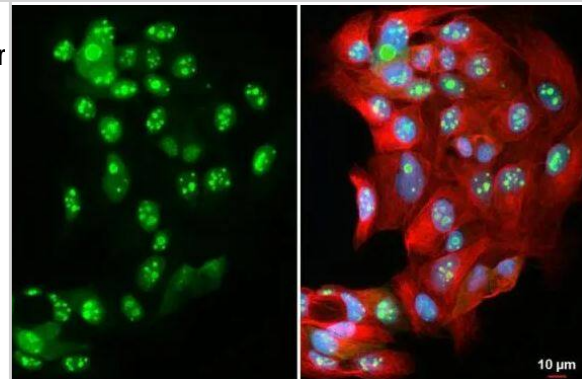
Western Blot: DNA Ligase IV Antibody [NBP2-16182] - Rat tissue extract (50 ug) was separated by 7.5% SDS-PAGE, and the membrane was blotted with DNA ligase IV antibody diluted at 1:500.



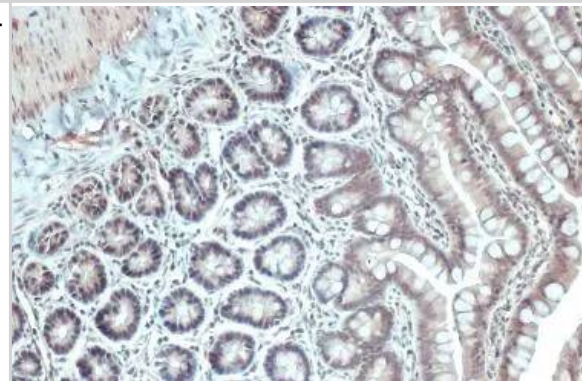
Immunohistochemistry-Paraffin: DNA Ligase IV Antibody [NBP2-16182] - Rat colon. DNA ligase IV stained by DNA ligase IV antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



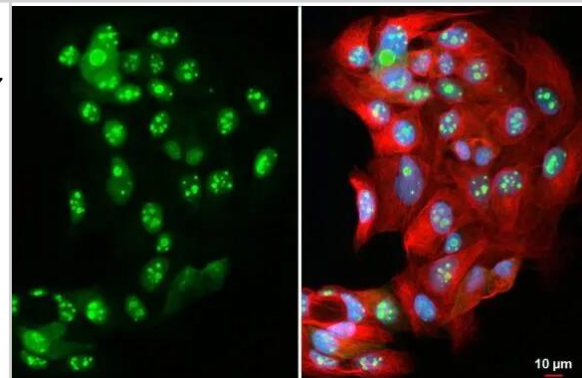
Immunocytochemistry/Immunofluorescence: DNA Ligase IV Antibody [NBP2-16182] -MCF-7 cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: DNA ligase IV stained by DNA ligase IV antibody diluted at 1:500. Red: alpha Tubulin, a cytoskeleton marker, stained by alpha Tubulin antibody [114] diluted at 1:1000. Blue: Fluoroshield with DAPI.



Immunohistochemistry-Paraffin: DNA Ligase IV Antibody [NBP2-16182] - DNA Ligase IV antibody detects DNA Ligase IV protein at nucleus by immunohistochemical analysis. Sample: Paraffin-embedded rat colon. DNA Ligase IV stained by DNA Ligase IV antibody (NBP2-16182) diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



Immunocytochemistry/ Immunofluorescence: DNA Ligase IV Antibody [NBP2-16182] - DNA Ligase IV antibody detects DNA Ligase IV protein at nucleus and nucleolus by immunofluorescent analysis. Sample: MCF-7 cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: DNA Ligase IV stained by DNA Ligase IV antibody (NBP2-16182) diluted at 1:500. Red: alpha Tubulin, a cytoskeleton marker, stained by alpha Tubulin antibody [GT114] diluted at 1:1000. Blue: Fluoroshield with DAPI



Publications

Hu HL, Shiflett LA, Kobayashi M et al. TOP2b-Dependent Nuclear DNA Damage Shapes Extracellular Growth Factor Responses via Dynamic AKT Phosphorylation to Control Virus Latency Mol. Cell 2019-03-26 [PMID: 30930055] (WB, Rat)



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-16182

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-68729PEP	DNA Ligase IV Recombinant Protein Antigen

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP2-16182

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

