

Anti-DNA Ligase III/LIG3 antibody ab96576

★★★★★ [1 Abreviews](#) [1 References](#) [3 Images](#)

Overview

Product name	Anti-DNA Ligase III/LIG3 antibody
Description	Rabbit polyclonal to DNA Ligase III/LIG3
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment corresponding to Human DNA Ligase III/LIG3 aa 765-999 (internal sequence). Database link: NP_039269
Positive control	WB: A431, HeLa, HepG2, MOLT4, Raji cells IHC-P: H441 Xenograft
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 78.99% PBS, 1% BSA, 20% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab96576 in the following tested applications.

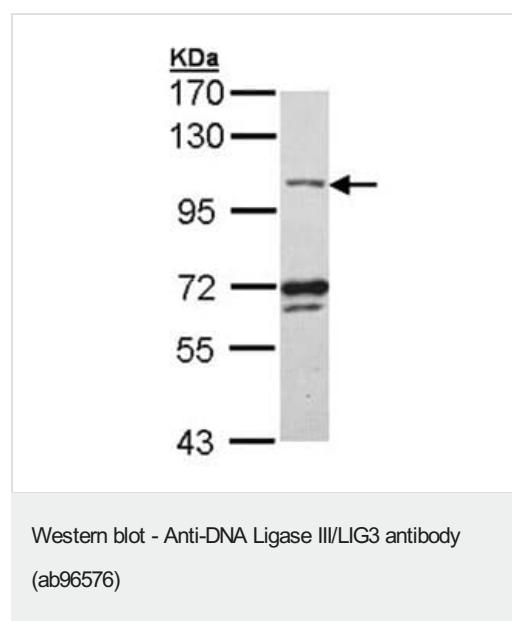
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 113 kDa.
IHC-P		1/100 - 1/500. Antigen retrieval is not essential but may optimise staining.
ICC/IF	★★★★★ (1)	1/100 - 1/200.

Target

Function	Interacts with DNA-repair protein XRCC1 and can correct defective DNA strand-break repair and sister chromatid exchange following treatment with ionizing radiation and alkylating agents.
Tissue specificity	Testis, thymus, prostate and heart.
Sequence similarities	Belongs to the ATP-dependent DNA ligase family. Contains 1 BRCT domain. Contains 1 PARP-type zinc finger.
Cellular localization	Nucleus.

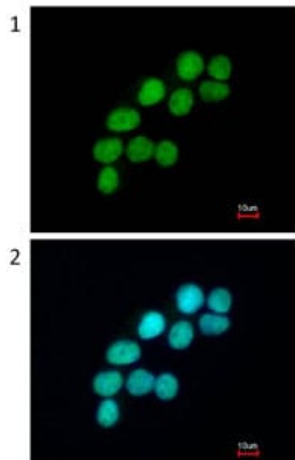
Images



Anti-DNA Ligase III/LIG3 antibody (ab96576) at 1/1000 dilution + MOLT4 whole cell lysate at 30 µg

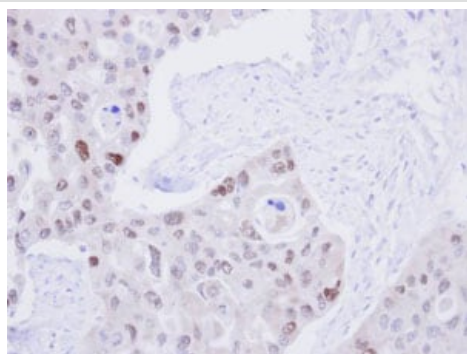
Predicted band size: 113 kDa

7.5% SDS PAGE



Immunofluorescence analysis of Ligase III in paraformaldehyde fixed A431, using ab96576 at a 1/200 dilution.
Lower image (2): merged with DNA probe.

Immunocytochemistry/ Immunofluorescence - Anti-DNA Ligase III/LIG3 antibody (ab96576)



Immunohistochemical analysis of Ligase III in paraffin embedded H441 Xenograft, using ab96576 at a 1/100 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DNA Ligase III/LIG3 antibody (ab96576)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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