


Product datasheet

Anti-DNA Ligase III/LIG3 antibody ab97404

[1 Abreviews](#) [2 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
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Cow 
Immunogen	Recombinant fragment corresponding to Human DNA Ligase III/LIG3 aa 116-403. Database link: NP_039269
Positive control	HepG2 whole cell lysate; A549 xenograft; 293T, A431, H1299, HeLa, Molt-4 and Raji cell lysates.
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. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.025% Proclin 300 Constituents: 79% PBS, 20% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab97404 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 - 1/250.

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.

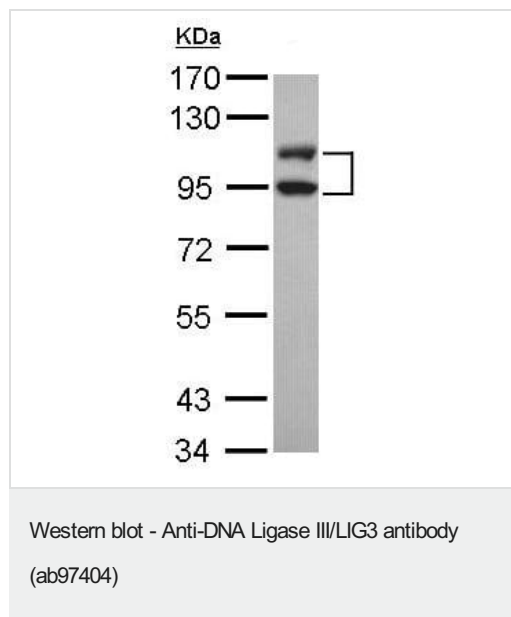
Contains 1 BRCT domain.

Contains 1 PARP-type zinc finger.

Cellular localization

Nucleus.

Images

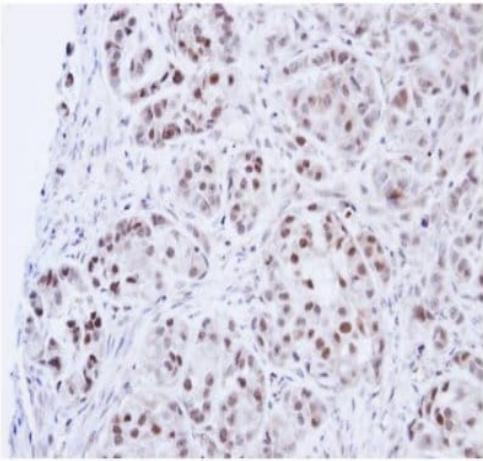


Anti-DNA Ligase III/LIG3 antibody (ab97404) at 1/1000 dilution + HepG2 whole cell lysate at 30 µg

Predicted band size: 113 kDa

7.5% SDS-PAGE

Secondary antibody - **anti-rabbit HRP (ab6721)**



ab97404, at 1/100 dilution, staining DNA Ligase III/LIG3 in paraffin-embedded A549 xenograft by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DNA Ligase III/LIG3 antibody (ab97404)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors