

# DNA ligase III antibody [1F3]

**Cat. No. GTX70143**

<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG1
<b>Application</b>	WB, ICC/IF, IP, Blocking, PLA
<b>Reactivity</b>	Human, Mouse, Chicken

Reference ( 25 )  
Package  
100 µl

## APPLICATION

### Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500-1:3000
ICC/IF	Assay dependent
IP	Assay dependent
Blocking	Assay dependent
PLA	Assay dependent

Not tested in other applications.

**Calculated MW** 113 kDa. ( [Note](#) )

## PROPERTIES

<b>Form</b>	Liquid
<b>Buffer</b>	PBS
<b>Preservative</b>	No Preservative
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
<b>Concentration</b>	1 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	Recombinant full-length human DNA Ligase III-b.
<b>Purification</b>	Protein G affinity purified. From hybridoma culture supernatant.
<b>Conjugation</b>	Unconjugated

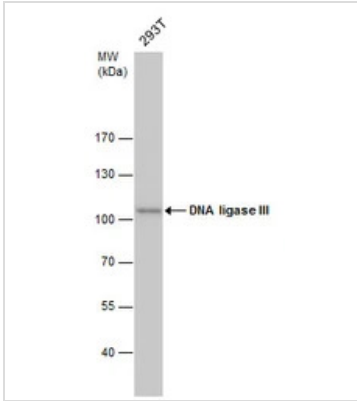


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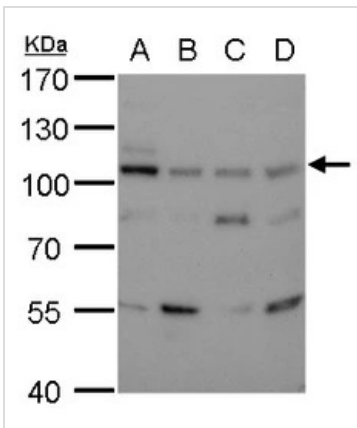
For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

**Note**

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

**DATA IMAGES**

**GTx70143 WB Image**

DNA ligase III antibody detects DNA ligase III protein by western blot analysis. Whole cell extracts (30 µg) was separated by 7.5% SDS-PAGE, and the membrane was blotted with DNA ligase III antibody (GTx70143) diluted by 1:500. The HRP-conjugated anti-mouse IgG antibody (GTx213111-01) was used to detect the primary antibody.


**GTx70143 WB Image**

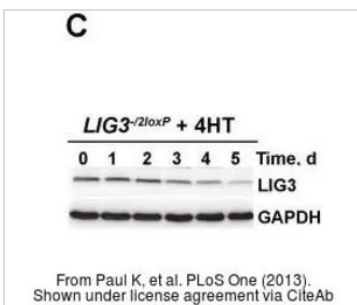
DNA ligase III detects DNA ligase III antibody [1F3] protein by western blot analysis.

- A. 30 µg 293T whole cell lysate/extract
  - B. 30 µg A431 whole cell lysate/extract
  - C. 30 µg HeLa whole cell lysate/extract
  - D. 30 µg HepG2 whole cell lysate/extract
- 7.5% SDS-PAGE

DNA ligase III (GTx70143) dilution: 1:500

The HRP-conjugated anti-mouse IgG antibody (GTx213111-01) was used to detect the primary antibody.

The indicated band with observed MW (103 kDa) may represent the larger isoform of human DNA Ligase III as reported by [Chen J et al](#) and [Nash RA et al](#).


**GTx70143 WB Image**

The data was published in the journal PLoS One in 2013. [PMID: 23555685](#)



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