

## DNA ligase III antibody [1F3]

## Cat. No. GTx70143

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Applications	WB, ICC/IF, IP, Blocking, PLA
Reactivity	Human, Mouse, Chicken

References ( 29 )

Package

100 µl

## Applications

## 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

Form	Liquid
Buffer	PBS
Preservative	No preservatives
Storage	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.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant full-length human DNA Ligase III-b.
Purification	Protein G affinity purified. From hybridoma culture supernatant.
Conjugation	Unconjugated



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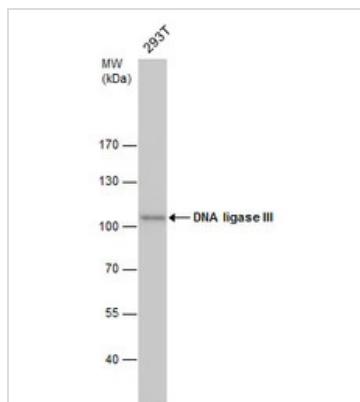
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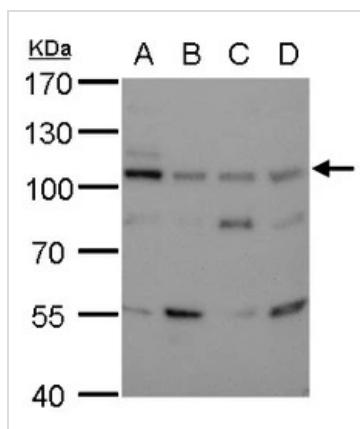
**Note**

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**

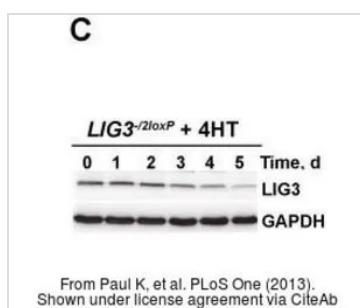
DNA ligase III detects DNA ligase III antibody [1F3] protein by western blot analysis.

- 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 kD) may represent the larger isoform of human DNA Ligase III as reported by [Chen J et al](#) and [Nash RA et al](#).



From Paul K, et al. PLoS One (2013).  
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**GTX70143 WB Image**

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



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