

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



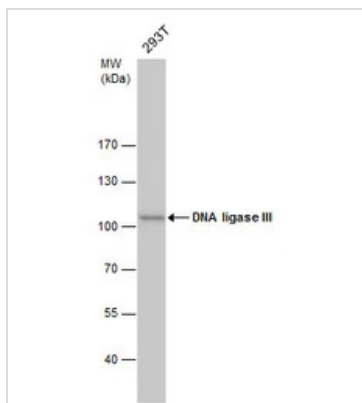
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Note

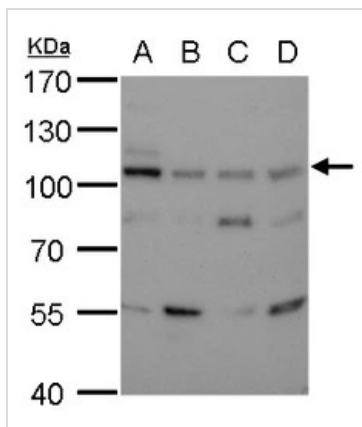
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DATA IMAGES



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.

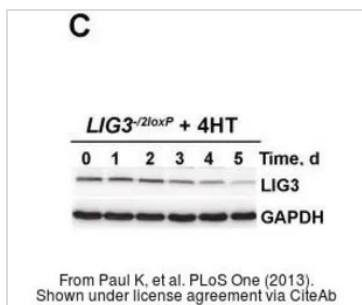
- A. 30 µg 293T whole cell lysate/extract
- B. 30 µg A431 whole cell lysate/extract
- C. 30 µg HeLa whole cell lysate/extract
- D. 30 µg HepG2 whole cell lysate/extract

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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