

DNA Ligase III Monoclonal Antibody (1F3)

Product Details	
Size	100 µL
Species Reactivity	Chicken, Human, Mouse
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	1F3
Conjugate	Unconjugated
Immunogen	Recombinant full-length human DNA Ligase III-b.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein G
Storage buffer	PBS
Contains	no preservative
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2281271

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:3,000	-
Immunocytochemistry (ICC/IF)	Assay-dependent	-
Immunoprecipitation (IP)	Assay-dependent	-
Neutralization (Neu)	Assay-dependent	-
in situ PLA (PLA)	Assay-dependent	-

Product Specific Information

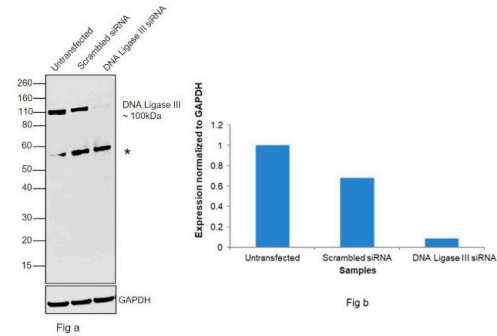
Recommended positive controls: 293T, A431, HeLa, HepG2.

The predicted molecular weight of MA1-23191 is 100 kDa.

Product Images For DNA Ligase III Monoclonal Antibody (1F3)

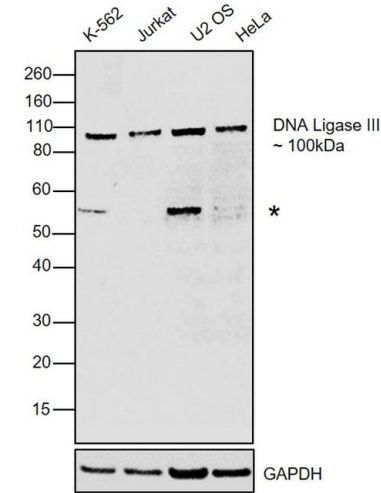
DNA Ligase III Antibody (MA1-23191)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HeLa cells were transfected with DNA Ligase III siRNA and decrease in signal intensity was observed in western blot application using DNA Ligase III Monoclonal Antibody (1F3) (Product # MA1-23191). {KD}



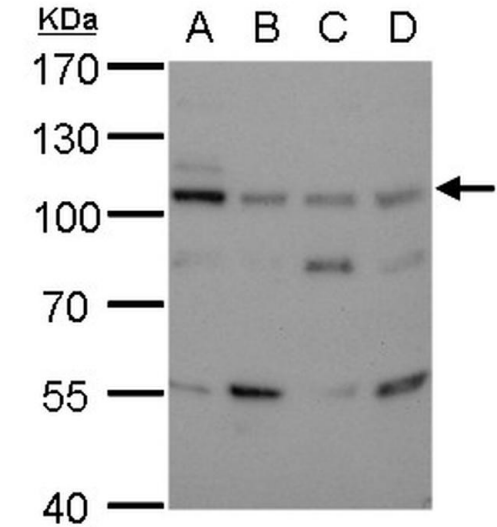
DNA Ligase III Antibody (MA1-23191) in WB

Western blot was performed using DNA Ligase III Monoclonal Antibody (1F3) (Product # PA1-23191) and a 100kDa band corresponding to DNA Ligase III was observed across all the cell lines tested with uncharacterized non specific band (*). Whole cell extracts (30 µg lysate) of K-562 (Lane 1), Jurkat (Lane 2), U2 OS (Lane 3), HeLa (Lane 4) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1: 1000 dilution) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L), Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



DNA Ligase III Antibody (MA1-23191) in WB

DNA ligase III detects DNA Ligase III Monoclonal 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 DNA Ligase III Monoclonal Antibody (1F3) (Product # MA1-23191) dilution: 1:500. The HRP-conjugated anti-mouse IgG antibody was used to detect the primary antibody.



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