DNA Ligase III/LIG3 Rabbit pAb

Catalog NO.: A1887 **4 Publications**

Basic Information

Observed MW
113 kDa

Calculated MW
113 kDa

Category
Polyclonal Antibodies

Applications
WB, IP, ELISA

Cross-Reactivity
Human,Mouse

Conjugation
Unconjugated

Background

This gene is a member of the DNA ligase family. Each member of this family encodes a protein that catalyzes the joining of DNA ends but they each have a distinct role in DNA metabolism. The protein encoded by this gene is involved in excision repair and is located in both the mitochondria and nucleus, with translation initiation from the upstream start codon allowing for transport to the mitochondria and translation initiation from a downstream start codon allowing for transport to the nucleus. Additionally, alternate transcriptional splice variants, encoding different isoforms, have been characterized.

Recommended Dilutions

WB 1:500 - 1:5000

IP
0.5μg-4μg antibody for 200μg-400μg extracts of whole cells

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
3980

Swiss Prot
P49916

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
LIG2; MTDPS20; LIG3alpha; DNA Ligase III/LIG3

Contact

Product Information

order@abclonal.com
service@abclonal.com
www.abclonal.com

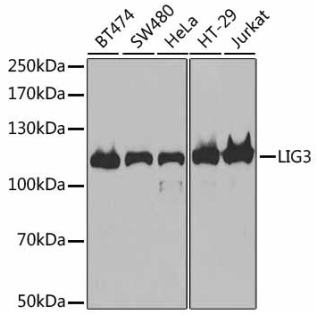
Source
Rabbit

Isotype
IgG

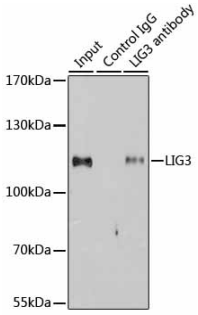
Purification
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Western blot analysis of various lysates using DNA Ligase III/LIG3 Rabbit pAb (A1887) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.



Immunoprecipitation analysis of 200 µg extracts of Jurkat cells using 1 µg DNA Ligase III/LIG3 antibody (A1887).
Western blot was performed from the immunoprecipitate using DNA Ligase III/LIG3 antibody (A1887) at a dilution of 1:1000.

For research use only. Not for therapeutic or diagnostic purposes.

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