

## **Product datasheet for TA305925**

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# **DNA Ligase I (LIG1) Goat Polyclonal Antibody**

**Product data:** 

**Product Type:** Primary Antibodies

Applications: WB

Recommended Dilution: WB: 0.1-0.3ug/ml.

**Reactivity:** Human (Expected from sequence similarity: Rat)

Host: Goat Isotype: IgG

Clonality: Polyclonal

**Immunogen:** Peptide with sequence C-RVREDKQPEQATTS, from the internal region (near C-Terminus) of

the protein sequence according to NP\_000225.1.

**Formulation:** 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Concentration:** lot specific

**Purification:** Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity

chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20C. Minimize

freezing and thawing.

Conjugation: Unconjugated

**Storage:** Store at -20°C as received.

**Stability:** Stable for 12 months from date of receipt.

Gene Name: DNA ligase 1

Database Link: NP 000225

Entrez Gene 81513 RatEntrez Gene 3978 Human

P18858

Background: LIG1 encodes DNA ligase I, with functions in DNA replication and the base excision repair

process. Mutations in LIG1 that lead to DNA ligase I deficiency result in immunodeficiency

and increased sensitivity to DNA-damaging agents. [provided by RefSeq]

**Synonyms:** MGC117397; MGC130025

**Protein Families:** Druggable Genome

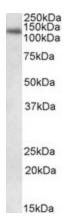




**Protein Pathways:** 

Base excision repair, DNA replication, Mismatch repair, Nucleotide excision repair

# **Product images:**



TA305925 (0.1ug/ml) staining of HeLa nuclear lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.