

DNAxPAb

Hard-to-Find  
Antibody

# LIG3 DNAxPab

Catalog # H00003980-W01P

Size 200 ug

## Specification

|                                |                                                                                                                                                                                                                                                                                                                           |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Rabbit polyclonal antibody raised against a full-length human LIG3 DNA using DNAx™ Immune technology.                                                                                                                                                                                                                     |
| <b>Technology</b>              | <a href="#">DNAx™ Immune</a>                                                                                                                                                                                                                                                                                              |
| <b>Immunogen</b>               | Full-length human DNA                                                                                                                                                                                                                                                                                                     |
| <b>Sequence</b>                | MSLAFKIFFPQTLRALSRKELCLFRKHHWRDVRQFSQWSETDLLHGHPLFLRRKPVLSFQGSHL<br>RSRATYLVFLPGLHVGLCSGPCEMAEQRFCVDYAKRGTAGCKKCKEIKVKGVCRIGKVVPNPFS<br>ESGGDMKEWYHIKCMFEKLERARATTKKIEDLTELEGWEELEDNEKEQITQHIADLSSKAAGTPK<br>KKAVVQAKLTTTGQVTSPVKGASFVTSNPRKFSGFSAKPNNSGEAPSSPTPKRSLSSSKCDPR<br>HKDCLLREFRKLCAVADNPSYNTKTQIIQDFLRKGSAGGVA |
| <b>Host</b>                    | Rabbit                                                                                                                                                                                                                                                                                                                    |
| <b>Reactivity</b>              | Human                                                                                                                                                                                                                                                                                                                     |
| <b>Purification</b>            | Protein A                                                                                                                                                                                                                                                                                                                 |
| <b>Quality Control Testing</b> | Antibody reactive against mammalian transfected lysate.                                                                                                                                                                                                                                                                   |
| <b>Storage Buffer</b>          | In 1x PBS, pH 7.4                                                                                                                                                                                                                                                                                                         |
| <b>Storage Instruction</b>     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                  |

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

## Gene Info — LIG3

Entrez GeneID [3980](#)

GeneBank Accession# [BC009026](#)

Protein Accession# [AAH09026.1](#)

Gene Name LIG3

Gene Alias LIG2

Gene Description ligase III, DNA, ATP-dependent

Omim ID [600940](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** 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. [provided by RefSeq]

**Other Designations** ligase II, DNA, ATP-dependent; polydeoxyribonucleotide synthase

## Pathway

- [Base excision repair](#)

## Disease

- [Adenocarcinoma](#)
- [Arrhythmias](#)
- [Ataxia telangiectasia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)

- [Carcinoma](#)
- [Colorectal Neoplasms](#)
- [Death](#)
- [DNA Damage](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Graft vs Host Disease](#)
- [Head and Neck Neoplasms](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Kidney Failure](#)
- [Laryngeal Neoplasms](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Mouth Neoplasms](#)
- [Multiple Sclerosis](#)
- [Neoplasms](#)
- [Occupational Diseases](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Pharyngeal Neoplasms](#)
- [Pulmonary Disease](#)
- [Stomach Neoplasms](#)

- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)