

## Product datasheet for **TA308391**

### DNA Ligase III (LIG3) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC
Recommended Dilution:	ICC/IF:1:100-1:1000; IHC:1:100-1:1000; WB:
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fragment corresponding to a region within amino acids 765 and 1009 of DNA ligase 3 (Uniprot ID#P49916)
Formulation:	1XPBS, 1% BSA, 20% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Concentration:	lot specific
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	113 kDa
Gene Name:	DNA ligase 3
Database Link:	<a href="#">NP_002302</a> <a href="#">Entrez Gene 3980 Human P49916</a>
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. [provided by RefSeq]
Synonyms:	LIG2

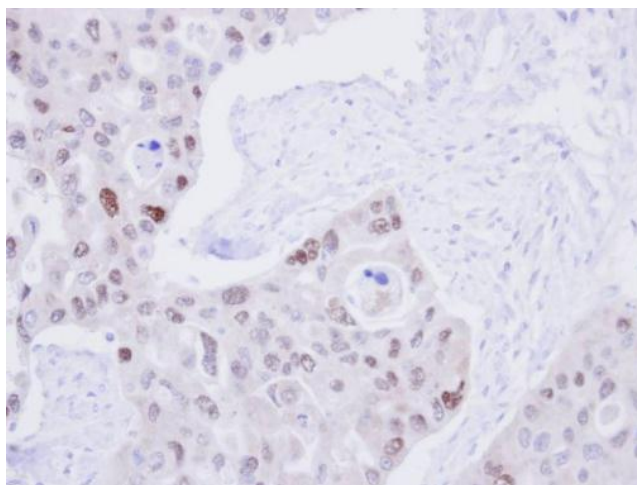


[View online »](#)

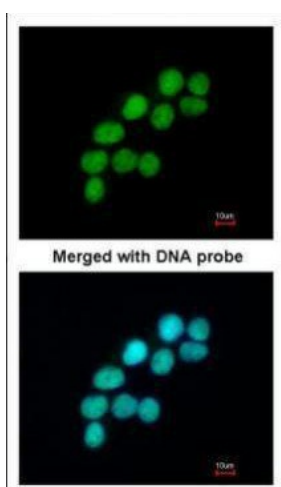
Protein Families: Druggable Genome

Protein Pathways: Base excision repair

### Product images:



Immunohistochemical analysis of paraffin-embedded H441 Xenograft, using DNA ligase 3 (TA308391) antibody at 1:100 dilution.



Immunofluorescence analysis of paraformaldehyde-fixed A431, using DNA ligase 3 (TA308391) antibody at 1:200 dilution.