



## Rabbit Anti-DNA Ligase III antibody

SL10754R

<b>Product Name:</b>	DNA Ligase III
<b>Chinese Name:</b>	DNA连接酶3抗体
<b>Alias:</b>	DNA Ligase 3; D11Wsu78e; DNA ligase; DNA ligase 3; DNA ligase III; DNLI3_HUMAN; LIG 3; LIG2; LIG3; Ligase II, DNA, ATP dependent; Ligase III DNA ATP dependent; MGC78176; OTTMUSP00000000875; Polydeoxyribonucleotide synthase [ATP] 3; Polydeoxyribonucleotide synthase [ATP]; Polydeoxyribonucleotide synthase; RP23-316C11.6.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Rabbit,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	113kDa
<b>Cellular localization:</b>	The nucleus
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human DNA Ligase III:701-800/1009
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Interacts with DNA-repair protein XRCC1 and can correct defective DNA strand-break repair and sister chromatid exchange following treatment with ionizing radiation and alkylating agents.

**Function:**

Interacts with DNA-repair protein XRCC1 and can correct defective DNA strand-break repair and sister chromatid exchange following treatment with ionizing radiation and alkylating agents.

**Subcellular Location:**

Nucleus.

**Tissue Specificity:**

Testis, thymus, prostate and heart.

**Similarity:**

Belongs to the ATP-dependent DNA ligase family.

Contains 1 BRCT domain.

Contains 1 PARP-type zinc finger.

**SWISS:**

P49916

**Gene ID:**

3980

**Database links:**

[Entrez Gene: 514719](#)Cow

[Entrez Gene: 3980](#)Human

[Entrez Gene: 16882](#)Mouse

[Entrez Gene: 303369](#)Rat

[Omim: 600940](#)Human

[SwissProt: P49916](#)Human

[SwissProt: P97386](#)Mouse

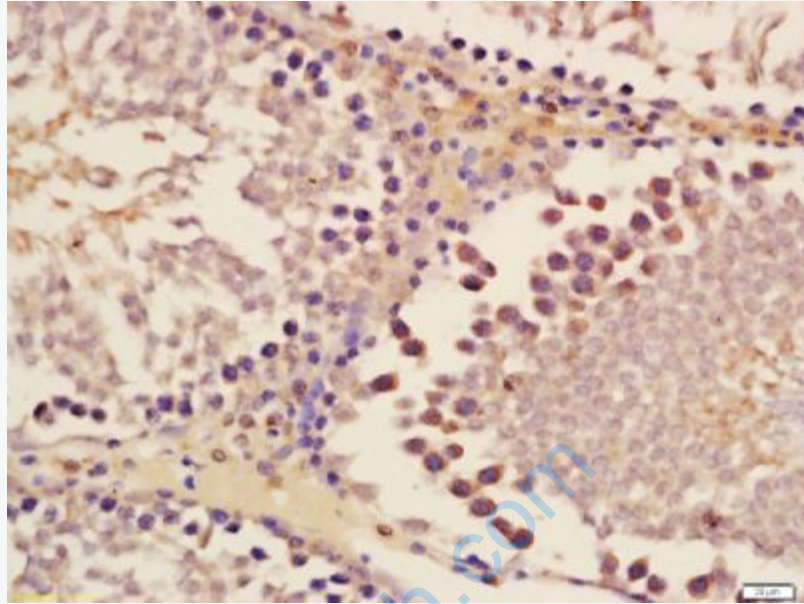
[Unigene: 100299](#)Human

[Unigene: 277136](#)Mouse

[Unigene: 230056](#)Rat

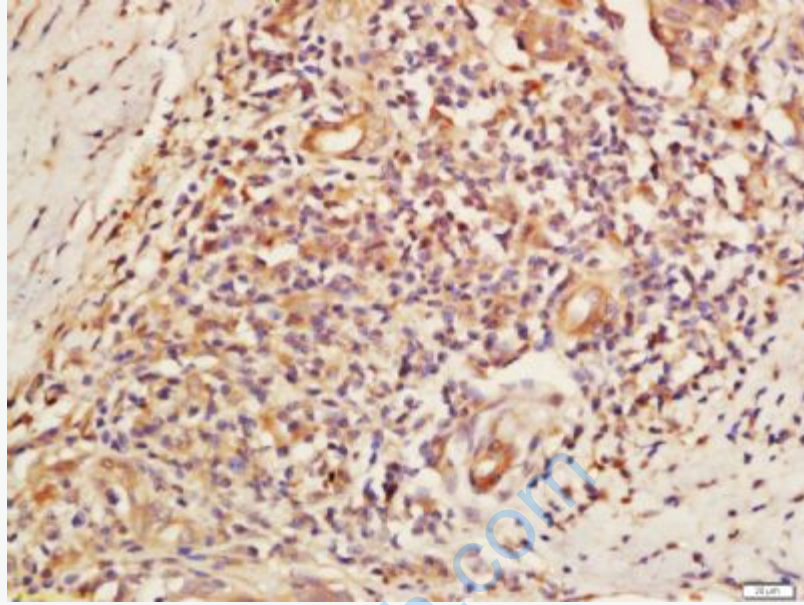
**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



**Picture:**

Tissue/cell: rat testis tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;  
Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;  
Incubation: Anti-DNA Ligase III Polyclonal Antibody, Unconjugated(SL10754R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: human laryngeal tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-DNA Ligase III Polyclonal Antibody, Unconjugated(SL10754R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining