

Rabbit Anti-DNA Ligase III/AF350 Conjugated antibody

SL10754R-AF350

Product Name	Anti-DNA Ligase III/AF350
Chinese Name	AF350 标记的 DNA 连接酶 3 抗体
Alias	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.
Research Area	Cell biology Epigenetics
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Rat(predicted:Mouse,Chicken,Rabbit)
Applications	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	113kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human DNA Ligase III
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol
Storage	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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	background: 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.

Database links:

[Entrez Gene: 514719](#) Cow

[Entrez Gene: 3980](#) Human

[Entrez Gene: 16882](#) Mouse

[Entrez Gene: 303369](#) Rat

[Omir: 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.