

DNA Ligase IV Recombinant Rabbit mAb

Catalog: BS46997

Host: Rabbit

Reactivity: Human

BackGround:

The protein encoded by this gene is a DNA ligase that joins single-strand breaks in a double-stranded polydeoxynucleotide in an ATP-dependent reaction. This protein is essential for V(D)J recombination and DNA double-strand break (DSB) repair through nonhomologous end joining (NHEJ). This protein forms a complex with the X-ray repair cross complementing protein 4 (XRCC4), and further interacts with the DNA-dependent protein kinase (DNA-PK). Both XRCC4 and DNA-PK are known to be required for NHEJ. The crystal structure of the complex formed by this protein and XRCC4 has been resolved. Defects in this gene are the cause of LIG4 syndrome. Alternatively spliced transcript variants encoding the same protein have been observed. [provided by RefSeq, Jul 2008]

Product:

Store at -20 °C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.

Molecular Weight:

104 kDa

Swiss-Prot:

P49917

Purification&Purity:

Affinity Purification

Applications:

WB: 1:1000 IHC: 1:20 ICC/IF: 1:20

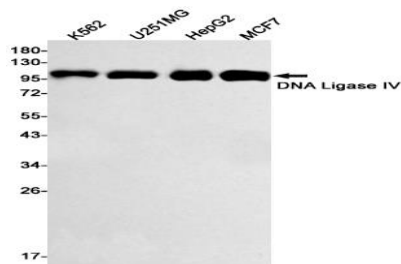
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Isotype:

IgG

DATA:



Western blot detection of DNA Ligase IV in

K562,U251MG,HepG2,MCF7 cell lysates using DNA Ligase IV antibody(1:500 diluted).

Note:

For research use only, not for use in diagnostic procedure.

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