

DNA Ligase IV polyclonal antibody

Catalog: BS90417

Host: Rabbit

Reactivity: Human

Background:

The X-ray repair cross-complementing protein XRCC4 and DNA Ligase IV are essential for repairing double-strand breaks in DNA. These proteins form a critical complex composed of two molecules of each protein that preferentially bind DNA with nicks or broken ends. As an obligatory accessory molecule, XRCC4 binds to DNA Ligase IV and enhances its joining activity. The XRCC4 / DNA Ligase IV complex is also involved in V(D)J recombination. V(D)J is a pair of high incidence of apoptosis in the development nervous system and a block in B and T cell maturation.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

104 kDa

Swiss-Prot:

P49917(Human)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:500-1:2,000

IHC:1:50-1:200

ICC:1:10-1:50

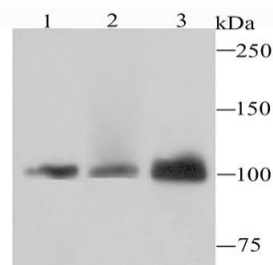
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

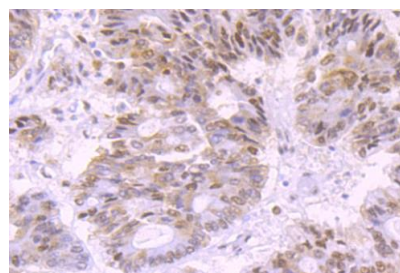
Specificity:

DNA Ligase IV polyclonal antibody detects endogenous levels of DNA Ligase IV protein.

DATA:



Western blot analysis of DNA Ligase IV on HeLa cell using anti-DNA Ligase IV antibody at 1/1,000 dilution. Positive control: Lane 1: HepG2
Lane 2: HeLa Lane 3: Jurkat



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-DNA Ligase IV antibody. Counter stained with hematoxylin.

Note:

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

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