

XRCC4 (N291) polyclonal antibody

Catalog: BS1496

Host: Rabbit

Reactivity: Human, Mouse, Rat

Background:

The x-ray repair cross-complementing (XRCC) proteins are responsible for efficiently repairing and maintaining genetic stability following DNA base damage. These genes share sequence similarity with the yeast DNA repair protein Rad51. XRCC4 is an accessory factor of DNA ligase IV that preferentially binds DNA with nicks or broken ends. XRCC4 binds to DNA ligase IV and enhances its joining activity, and it is also involved in V(D)J recombination. Any defect in one of the known components of the DNA repair/V(D)J recombination machinery (Ku-70, Ku-80, DNA-PKCS, XRCC4 and DNA ligase IV) leads to abortion of the V(D)J rearrangement process and early block in both T and B cell maturation.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 38 kDa

Swiss-Prot:

Q13426

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

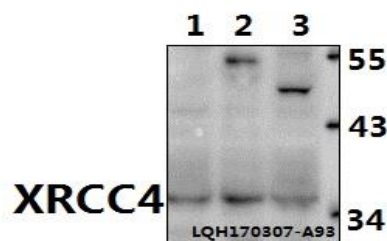
Storage&Stability:

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

Specificity:

XRCC4 (N291) polyclonal antibody detects endogenous levels of XRCC4 protein.

DATA:



Western blot (WB) analysis of XRCC4 (N291) polyclonal antibody at 1:500 dilution

Lane1: AML-12 whole cell lysate(40ug)

Lane2: PC12 whole cell lysate(40ug)

Lane3: HEK293T whole cell lysate(40ug)

Note:

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

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