

XRCC4 (7C10) monoclonal antibody

Catalog: MB3188

Host: Mouse

Reactivity: Human, Mouse, Rat

Background:

Involved in DNA non-homologous end joining (NHEJ) required for double-strand break repair and V(D)J recombination. Binds to DNA and to DNA ligase IV (LIG4). The LIG4-XRCC4 complex is responsible for the NHEJ ligation step, and XRCC4 enhances the joining activity of LIG4. Binding of the LIG4-XRCC4 complex to DNA ends is dependent on the assembly of the DNA-dependent protein kinase complex DNA-PK to these DNA ends.

Product:

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.

Molecular Weight:

Calculated MW: 38 kDa; Observed MW: 38-45 kDa

Swiss-Prot:

Q13426

Purification&Purity:

Affinity Purified

Applications:

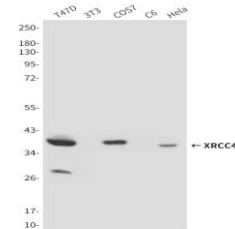
WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200
IP: 1/20

Storage&Stability:

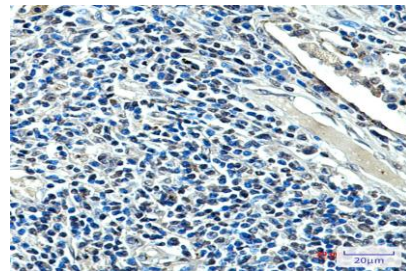
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Isotype:

IgG1

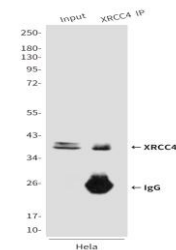
DATA:

Immunohistochemistry analysis of paraffin-embedded XRCC4 in Human lung cancer using XRCC4 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western blot analysis of XRCC4 in XRCC4 in T47D, 3T3, COS7, C6 and HeLa lysates using XRCC4 antibody

Immunoprecipitation analysis of XRCC4 in HeLa lysates using XRCC4 antibody.

**Note:**

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

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