

XRCC4 (7C10) MOUSE MAB

Cat.#: N261232

Product Name: Anti-XRCC4 (7C10) Mouse Monoclonal Antibody

Synonyms: X ray repair cross complementing protein 4; DNA repair protein XRCC4; DNA double strand break repair

UNIPROT ID: Q13426

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.

Immunogen: Synthetic Peptide of XRCC4

Applications: WB,IHC-F,IHC-P,ICC/IF,IP

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

Host Species: Mouse

Clonality: Mouse Monoclonal

Clone ID: 7C10-5H8-4F8

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

Isotype: IgG1

Purification: Affinity Purified

Species Reactivity: Human,Mouse,Rat

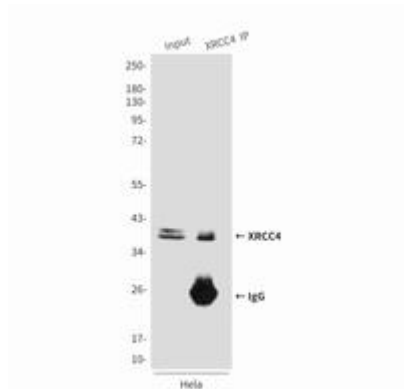
Conjugation: Unconjugated

Modification: Unmodified

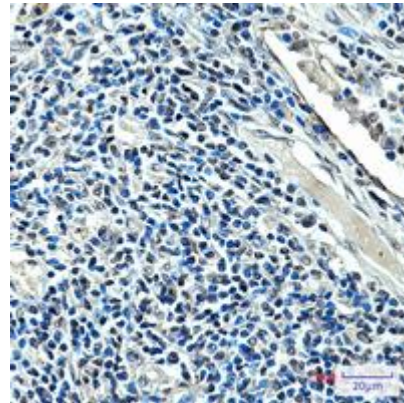
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

Research Areas: Epigenetics and Nuclear Signaling

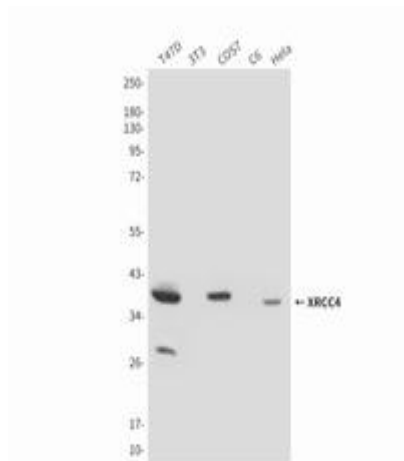
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Immunoprecipitation analysis of XRCC4 in HeLa lysates using XRCC4 antibody.



Immunohistochemistry analysis of paraffin-embedded XRCC4 in Human lung cancer using XRCC4 (7C10) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western blot analysis of XRCC4 (7C10) in T47D, 3T3, COS7, C6 and HeLa lysates using XRCC4 (7C10) antibody