KU70 (7B1) MOUSE MAB

Cat.#: N261121

Product Name: Anti-Ku70 (7B1) Mouse Monoclonal Antibody

Synonyms: XRCC6; G22P1; X-ray repair cross-complementing protein 6; 5'-deoxyribose-5-phosphate lyase Ku70; 5'-dRP lyase Ku70; 70 kDa subunit of Ku antigen; ATP-dependent DNA helicase 2 subunit 1; ATP-dependent DNA helicase II 70 kDa subunit; CTC box-

UNIPROT ID: P12956

Background: It works in the 3'-5' direction. Binding to DNA may be mediated by XRCC6. Involved in DNA non-homologous end joining (NHEJ) required for double-strand break repair and V(D)J recombination. The XRCC5/6 dimer acts as regulatory subunit of the DNA-dependent protein kinase complex DNA-PK by increasing the affinity of the catalytic subunit PRKDC to DNA by 100-fold. The XRCC5/6 dimer is probably involved in stabilizing broken DNA ends and bringing them together.

Immunogen: Purified recombinant human Ku70 protein fragments expressed in E.coli.

Applications: WB,ICC/IF,IP,ChIP

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

Host Species: Mouse

Clonality: Mouse Monoclonal

Clone ID: 7B1-E12-G4

MW: Calculated MW: 70 kDa; Observed MW: 67 kDa

Isotype: IgG1

Purification: Affinity Purified

Species Reactivity: Human,Monkey

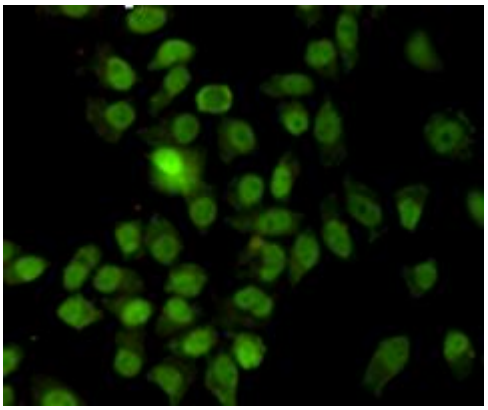
Conjugation: Unconjugated

Modification: Unmodified

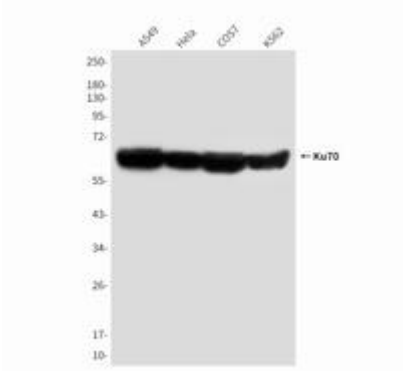
Constituents: PBS (without Mg2+ and Ca2+), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

Research Areas: Epigenetics and Nuclear Signaling

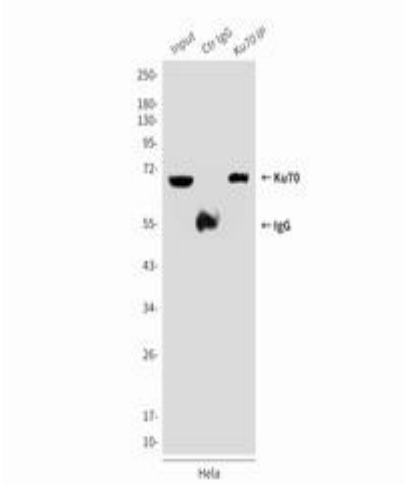
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Immunocytochemistry analysis of Ku70 (7B1) in HeLa using Ku70 antibody.



Western blot analysis of Ku70 in Hela, A549, COS7 and K562 lysates using Ku70 antibody.



Immunoprecipitation analysis of Ku70 (7B1) in Hela lysates using Ku7 antibody.