DNA PKCS (6D1) MOUSE MAB

Cat.#: N261419

Product Name: Anti-DNA PKcs (6D1) Mouse Monoclonal Antibody

Synonyms: PRKDC; HYRC; HYRC1; DNA-dependent protein kinase catalytic subunit; DNA-PK catalytic subunit; DNA-PKcs; DNPK1; p460

UNIPROT ID: P78527

Background: The PRKDC gene encodes the catalytic subunit of a nuclear DNA-dependent serine/threonine protein kinase (DNA-PK). The second component is the autoimmune antigen Ku (MIM 152690), which is encoded by the G22P1 gene on chromosome 22q. On its own, the catalytic subunit of DNA-PK is inactive and relies on the G22P1 component to direct it to the DNA and trigger its kinase activity; PRKDC must be bound to DNA to express its catalytic properties.

Immunogen: Purified recombinant human DNA-PKcs protein fragments expressed in E.coli

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: 6D1-C11-F10

MW: Calculated MW: 469 kDa; Observed MW: 450 kDa

Isotype: IgG1

Purification: Affinity Purified

Species Reactivity: Human

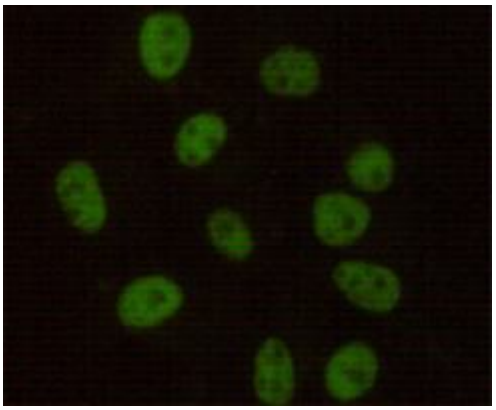
Conjugation: Unconjugated

Modification: Unmodified

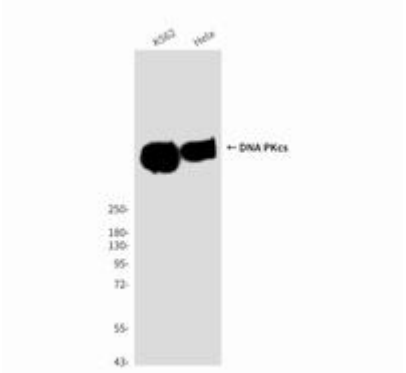
Constituents: PBS (without Mg2+ and Ca2+), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

Research Areas: Epigenetics and Nuclear Signaling

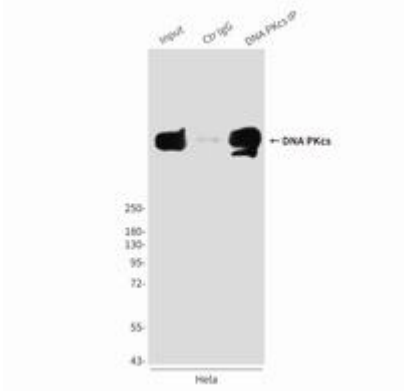
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



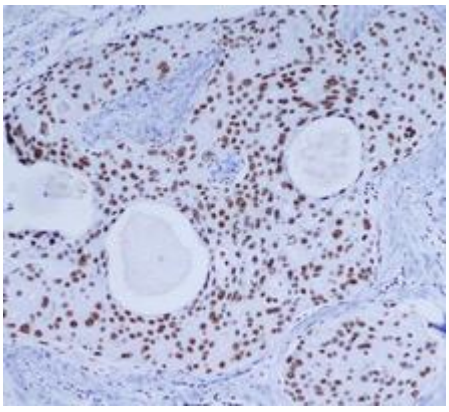
Immunocytochemistry analysis of DNA PKcs (6D1) in Hela using DNAPKcs antibody.



Western blot analysis of DNAPKcs in Hela and K562 lysates using DNAPKcs antibody.



Immunoprecipitation analysis of DNA PKcs (6D1) in Hela lysates using DNAPKcs antibody.



Immunohistochemistry analysis of paraffin-embedded Breast cancer using DNAPKcs antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.