

Product Datasheet

Phospho-DNAPKcs(Ser2056) Antibody

Catalog No: CY5171

Reactivity: Human

Isotype: Rabbit IgG

Applications: WB IHC ICC/IF



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Information

UniProt ID: P78527

All Names: DNA- PKcs; DNA-dependent protein kinase catalytic subunit; PRKDC; XRCC7; DNPK1; EC 2.7.11.1; P460; PRKD; kinase DNA-PK.

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 469 kDa

Application

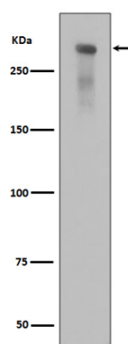
WB: 1:500~1:2000

IHC: 1:50~1:200

ICC/IF: 1:50~1:200

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.



Western blot analysis of Phospho-DNA PKcs (Ser2056) expression in alkaline treated Jurkat cell lysate.

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