

Product Datasheet

DNA-PKcs Antibody

Catalog No: CY5618

Reactivity: Human Mouse Rat

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; DNPK1; EC 2.7.11.1; P460; PRKD; PRKDC; XRCC7, kinase DNA PK; DNA PKcs;

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

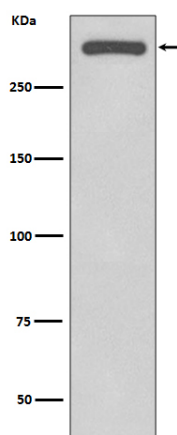
WB: 1:1000~1:2000

IHC: 1:50~1:200

ICC/IF: 1:50~1:200

Background

DNA-dependent protein kinase (DNA-PK) is an important factor in the repair of double-stranded breaks in DNA. Cells lacking DNA-PK or in which DNA-PK is inhibited fail to show proper nonhomologous end-joining (NHEJ). DNA-PK is composed of two DNA-binding subunits (Ku70 and Ku86) and one 450 kDa catalytic subunit (DNA-PKcs). It is thought that a heterodimer of Ku70 and Ku86 binds to double-stranded DNA broken ends before DNA-PKcs binds and is activated.



Western blot analysis of DNA-PKcs expression in HeLa cell lysate.

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