

Product Datasheet

DNA-PKcs Mouse mAb

Catalog No: AB3205

Reactivity: Human

Isotype: Mouse IgG1

Applications: WB,IHC,ICC/IF,IP



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Information

UniProt ID: P78527

All Names: DNA- PKcs; DNA-dependent protein kinase catalytic subunit; DNPK1; P460; PRKD; PRKDC; XRCC7; 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.: 450KDa

Application

WB 1:1000

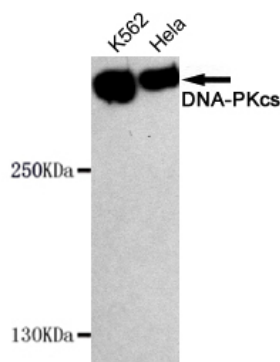
IHC 1:200

ICC/IF 1:100

IP

Background

Serine/threonine-protein kinase that acts as a molecular sensor for DNA damage. Involved in DNA nonhomologous end joining (NHEJ) required for double-strand break (DSB) repair and V(D)J recombination. Must be bound to DNA to express its catalytic properties. Promotes processing of hairpin DNA structures in V(D)J recombination by activation of the hairpin endonuclease artemis (DCLRE1C).



Western blot detection of DNA-PKcs in HeLa and K562 cell lysates using DNA-PKcs mouse mAb (1:1000 diluted). Predicted band size: 450KDa, Observed band size: 450KDa.

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