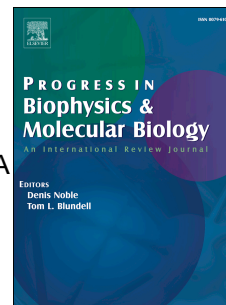


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The DNA-dependent protein kinase: a multifunctional protein kinase with roles in DNA double strand break repair and mitosis

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Keywords: DNA-dependent protein kinase, non-homologous end joining, mitosis

Abbreviations

ATM, ataxia telangiectasia mutated; ATR, ATM- and Rad3-related; ds, double-stranded; cryo-EM, cryo-electron microscopy; DSB, DNA double strand break; DNA-PK, DNA-activated/dependent protein kinase; DNA-PKcs, DNA-PK catalytic subunit; FAT, FRAP, ATM and TRRAP; HEAT, Huntingtin, Elongation factor, PP2A-A subunit, TOR); IR, ionizing radiation; PI3K, phosphatidyl inositol 3 kinase; PIKK, phosphatidyl inositol-3 kinase-like protein kinase; PP6, protein phosphatase 6; SAXS, small angle X ray scattering.

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