

## 35-1521: Polyclonal Antibody to DNA PKcs (Ab-2609)

|                                |   |
|--------------------------------|---|
| <b>Clonality :</b>             | Polyclonal  |
| <b>Application :</b>           | WB  |
| <b>Reactivity :</b>            | Human   |
| <b>Gene :</b>                  | PRKDC   |
| <b>Gene ID :</b>               | 5591  |
| <b>Uniprot ID :</b>            | P78527  |
| <b>Format :</b>                | Purified  |
| <b>Alternative Name :</b>      | DNPK1, PRKD, PRKDC, XRCC7, P460   |
| <b>Isotype :</b>               | Rabbit IgG  |
| <b>Immunogen Information :</b> | Peptide sequence around aa.2607~2611 (V-E-T-Q-A) derived from Human DNA-PK. |

### Description

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

### Product Info

|                            |  |
|----------------------------|--|
| <b>Amount :</b>            | 50 µl / 100 µl   |
| <b>Content :</b>           | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| <b>Storage condition :</b> | Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.                                |

### Application Note

Predicted MW: 450kd, Western blotting: 1:500~1:1000

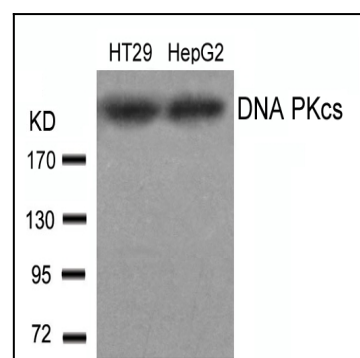


Figure 1: Western blot analysis of extracts from HT29 and HepG2 cells using DNA PKcs(Ab-2609) Antibody 35-1521 .