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## 35-1160: Polyclonal Antibody to DNA PKcs (Phospho-Thr2609)

**Clonality:** Polyclonal

Application: WB
Reactivity: Human
Gene: PRKDC
Gene ID: 5591
Uniprot ID: P78527
Format: Purified

Alternative Name: DNPK1, PRKD, PRKDC, XRCC7, P460

**Isotype:** Rabbit IgG

Immunogen Information: Peptide sequence around phosphorylation site of threonine 2609 (V-E-T(p)-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**

**Amount :** 50 μl / 100 μl

Content: Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM

NaCl, 0.02% sodium azide and 50% glycerol.

**Storage condition :** 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

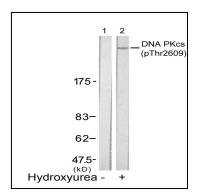


Figure 1: Western blot analysis of extracts from K562 cells untreated(lane 1) or treated with hydroxyurea(lane 2) using DNA PKcs(Phospho-Thr2609) Antibody 35-1160.