

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

<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 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

<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

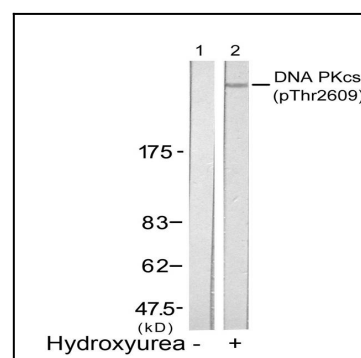


Figure 1: Western blot analysis of extracts from K562 cells untreated(lane 1) or treated with hydroxyurea(lane 2) using DNA PKcs(Phospho-Thr2609) Antibody 35-1160 .