

## Product datasheet for **AP02448PU-N**

### DNA PKcs (PRKDC) pThr2609 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Suitable for use in Suitable for use in Western blot (1:500-1:1000).
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The antiserum was produced against synthesized phosphopeptide derived from human DNA PKcs around the phosphorylation site of threonine 2609 (V-E-TP-Q-A).
Specificity:	DNA PKcs (phospho-Thr2609) antibody detects endogenous levels of DNA PKcs only when phosphorylated at threonine 2609.
Formulation:	PBS (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150 mM NaCl, 0.02% Sodium Azide and 50% Glycerol. State: Aff - Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Immunoaffinity chromatography using epitope-specific phosphopeptide.
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	protein kinase, DNA-activated, catalytic polypeptide
Database Link:	<a href="#">Entrez Gene 5591 Human P78527</a>
Background:	DNA PK is the key component of the non-homologous end-joining (NHEJ) pathway of DSB repair in mammalian cells. DNA PK consists of a heterodimeric DNA-binding subunit (Ku70/80) and an approximately 465 kDa catalytic subunit (DNA PKcs). DNA PKcs is a serine/threonine protein kinase whose activity is greatly stimulated by its recruitment to DNA breaks by the Ku heterodimer.
Synonyms:	DNPK1, p460, HYRC, HYRC1



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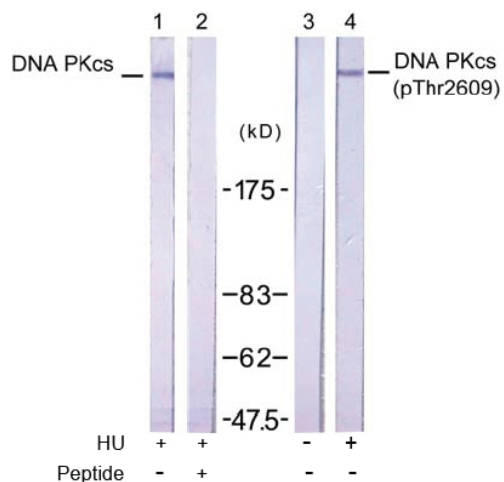
**Product images:**


Figure 1. Western blot analysis of extract from K562 cells untreated and treated with hydroxyurea, using DNA PKcs antibody (Lane 1 and 2) and DNA PKcs (phospho-Thr2609) antibody (Lane 3 and 4).