

DNA PKcs(Phospho-Thr2609) Antibody

Catalog No: #11167



Package Size: #11167-1 50ul #11167-2 100ul #11167-4 25ul

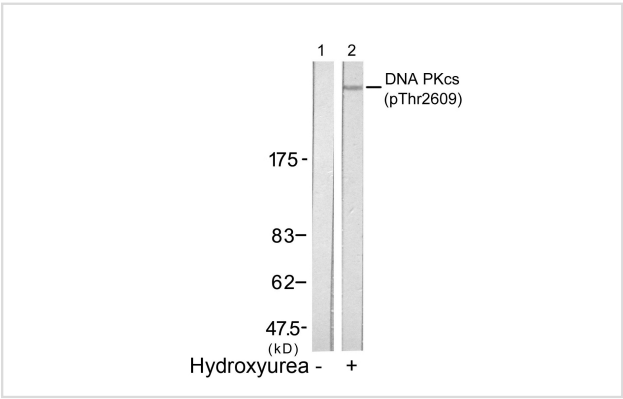
Overview

Product Name	DNA PKcs(Phospho-Thr2609) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB
Species Reactivity	Hu
Immunogen Type	Peptide-KLH
Target Name	DNA PKcs
Modification	Phospho-Thr2609
Alternative Names	DNPK1; PRKD; PRKDC; XRCC7; P460

Application Details

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

Images



Western blot analysis of extracts from K562 cells untreated(lane 1) or treated with hydroxyurea(lane 2) using DNA PKcs(Phospho-Thr2609) antibody #11167.

Descriptions

Immunogen	Peptide sequence around phosphorylation site of threonine 2609 (V-E-T(p)-Q-A) derived from Human DNA-PK.
Specificity	The antibody detects endogenous level of DNA PKcs only when phosphorylated at threonine 2609.
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Formulation	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	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Related Information

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

Chan DW, et al. (2002) Genes Dev. Sep 15; 16(18): 2333-2338

Ding Q, et al. (2003) Mol Cell Biol. Aug; 23(16): 5836-5848

Douglas P, et al. (2002) Biochem J. Nov 15; 368(Pt 1): 243-251

Note: This product is for in vitro research use only and is not intended for use in humans or animals.