



# Anti-PRKDC (aa 4019-4128) polyclonal antibody (DPAB-DC2456)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	This gene encodes the catalytic subunit of the DNA-dependent protein kinase (DNA-PK). It functions with the Ku70/Ku80 heterodimer protein in DNA double strand break repair and recombination. The protein encoded is a member of the PI3/PI4-kinase family.[provided by RefSeq, Jul 2010]
<b>Immunogen</b>	PRKDC (NP_008835, 4019 a.a. ~ 4128 a.a) partial recombinant protein with GST tag. The sequence is KMLKKGGSWIQEINVAEKNWYPRQKICYAKRKLAPANPAVITCDELLLGHEKAPAFRDYV AVARGSKDHNIRAQEPESGLSEETQVKCLMDQATDPNILGRTWEGREPWM
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

**Gene Name** [PRKDC protein kinase, DNA-activated, catalytic polypeptide \[ Homo sapiens \(human\) \]](#)

<b>Official Symbol</b>	PRKDC
<b>Synonyms</b>	PRKDC; protein kinase, DNA-activated, catalytic polypeptide; HYRC; p350; DNAPK; DNPK1; HYRC1; XRCC7; DNA-PKcs; DNA-dependent protein kinase catalytic subunit; p460; DNA-PK catalytic subunit; hyper-radiosensitivity of murine scid mutation, complementing 1;
<b>Entrez Gene ID</b>	<a href="#">5591</a>
<b>Protein Refseq</b>	<a href="#">NP_001075109</a>
<b>UniProt ID</b>	<a href="#">P78527</a>
<b>Chromosome Location</b>	8q11
<b>Pathway</b>	BARD1 signaling events; Cell cycle; Coregulation of Androgen receptor activity; DNA Repair
<b>Function</b>	ATP binding; DNA binding; DNA-dependent protein kinase activity; enzyme binding