

## Phospho-DNA-PKcs (Thr2647) Rabbit Polyclonal Antibody

### Catalog #: EAB13109

Host/Isotype	Clonality	Applications	MW (kDa)	Reactivity
Rabbit IgG	Polyclonal	WB, IHC, IF/ICC, ELISA	450	Human, Mouse, Rat

### Applications Dilutions

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>WB</b> (Western Blotting)	1:500-2000
<b>IHC</b> (Immunohistochemistry)	1:50-300
<b>IF/ICC</b> (Immunofluorescence/Immunocytochemistry)	1:50-300
<b>ELISA</b> (Enzyme-linked Immunosorbent Assay)	1:10000-30000

### Product Information

<b>Conjugate</b>	Unconjugate
<b>Specificity</b>	Phospho-DNA-PKcs (Thr2647) Rabbit Polyclonal Antibody detects endogenous levels of DNA-PKcs protein only when phosphorylated at Thr2647.
<b>Purification</b>	Affinity purification
<b>Concentration</b>	1mg/ml
<b>Format</b>	Liquid
<b>Formulation</b>	In PBS, pH 7.4, Containing 0.02% sodium azide, 0.5% BSA and 50% Glycerol
<b>Shipping</b>	Gel Pack
<b>Storage</b>	Store at -20°C least 1 year from the date of shipment. Avoid repeated freeze/thaw cycles. Aliquots may be stored at +4°C for 1-2 weeks
<b>UniProt ID</b>	<a href="#">P78527</a>
<b>Entrez-Gene Id</b>	<a href="#">5591</a>

### Product Description

DNA-PKCS (also designated PRKDC, HYRC or DNA-PK catalytic subunit (DNPK1) ). DNA-PK is a heterotrimeric DNA binding enzyme that is composed of a large subunit, DNA-PKCS, and two smaller subunits collectively known as Ku. The loss of DNA-PK leads to defects in DSB repair and V(D)J recombination. FRAP can autophosphorylate on serine and bind to rapamycin/FKBP. FRAP is also an upstream regulator of S6 kinase and has been implicated in the regulation of p27 and p21 expression.

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