

## Product datasheet for **TA380380S**

### DNA PKcs (PRKDC) Rabbit Polyclonal Antibody

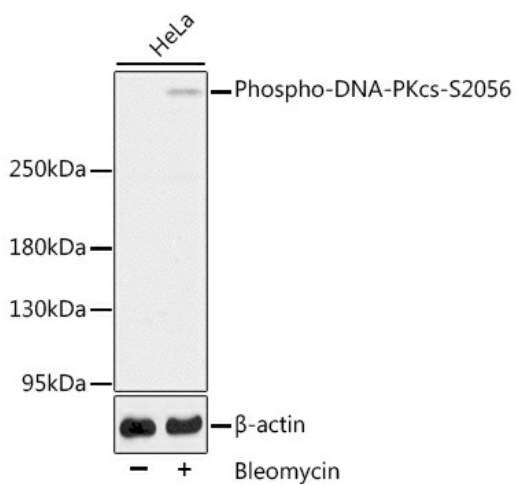
#### Product data:

Product Type:	Primary Antibodies
Applications:	ICC/IF, WB
Recommended Dilution:	WB, 1:500 - 1:2000 IF, 1:50 - 1:200
Reactivity:	Human
Modifications:	Phospho S2056
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic phosphorylated peptide around S2056 of human DNA-PKcs (NP_008835.5).
Formulation:	Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	465kDa/469kDa
Gene Name:	protein kinase, DNA-activated, catalytic polypeptide
Database Link:	<a href="#">Entrez Gene 5591 Human P78527</a>
Background:	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.
Synonyms:	DNA-PKcs; DNAPK; DNPk1; HYRC; HYRC1; p350; p460; XRCC7

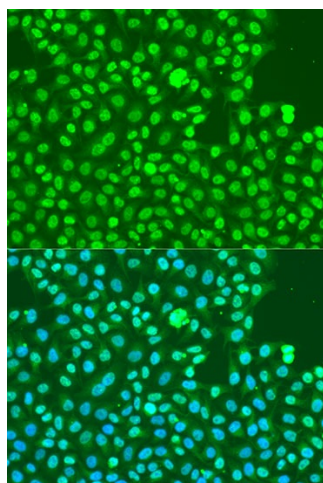


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## Product images:



Western blot analysis of extracts of HeLa cells, using Phospho-DNA-PKcs-S2056 antibody ([TA380380]). | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% BSA.



Immunofluorescence analysis of U2OS cells using Phospho-DNA-PKcs-S2056 antibody ([TA380380]) at dilution of 1:100. Blue: DAPI for nuclear staining.