

## Anti-Phospho-DNA PKcs (Ser2056) Rabbit pAb

Purified Rabbit Polyclonal Antibody

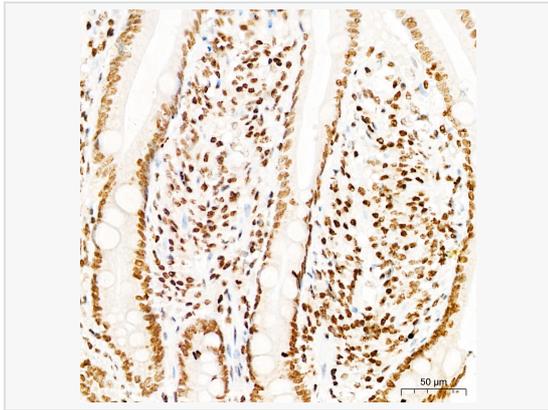
Catalog # P108962

### Product Information

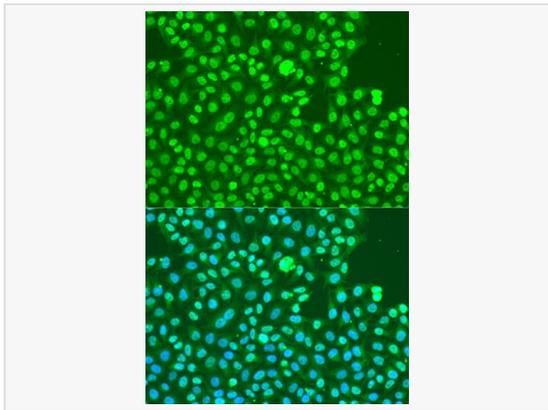
Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Human
Dilution	WB 1:500~1:2,000; IHC-P 1:100~1:500; IF 1:50~1:200
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic phosphorylated peptide around S2056 of human DNA-PKcs (NP_008835.5).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-DNA PKcs (Ser2056) Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

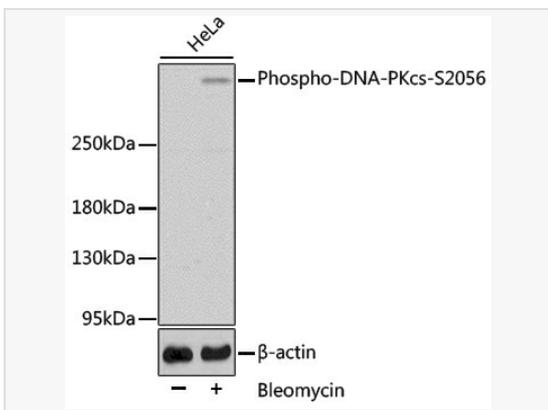
Synonyms	HYRC; p350; DNAPK; DNPK1; HYRC1; IMD26; XRCC7; DNAPKc; DNA-PKC; DNA-PKcs; Phospho-DNA-PKcs-S2056.
Calculated MW	Calculated MW: 469 kDa; Observed MW: 469 kDa
Uniprot ID	P78527
Gene ID	5591
Background	This gene encodes the catalytic subunit of the DNA-dependent protein kinase (DNA-PK). It functions 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.



Immunohistochemistry analysis of paraffin-embedded Human small intestine tissue using Phospho-DNA-PKcs-S2056 Rabbit pAb (P108962) at a dilution of 1:300 (40× lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunofluorescence analysis of U2OS cells using Phospho-DNA-PKcs-S2056 Rabbit pAb (P108962) at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Western blot analysis of lysates from HeLa cells, using Phospho-DNA-PKcs-S2056 Rabbit pAb (P108962). Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution. Lysates/proteins: 25μg per lane. Blocking buffer: 3% BSA.