

Human DNA-PKcs Antibody

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF3415

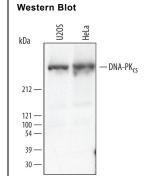
DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human DNA-PK _{CS} in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	E. coli-derived recombinant human DNA-PK _{CS} Thr3844-Trp4127 Accession # P78527
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	0.5 μg/mL	See Below

DATA



Detection of Human DNA-PKcs by Western Blot. Western blot shows Iysates of U2OS human osteosarcoma cell line and HeLa human cervical epithelial carcinoma cell line. PVDF membrane was probed with 0.5 μ g/mL of Human DNA-PKcs Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3415) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF017). A specific band was detected for DNA-PKcs at approximately 460 kba (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE		
Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.	
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C	
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.	

BACKGROUND

<u>DNA</u>-dependent <u>protein kinase catalytic subunit (DNA-PK_{CS})</u> is a member of the PI3-kinase related kinase (PIKK) superfamily. DNA-PK_{CS} is a serine/threonine kinase that, along with the DNA-binding proteins Ku70/Ku80, binds to regions of DNA double-strand breaks and is involved in double-strand break repair and VDJ recombination.

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