

Rabbit anti-Human DNA-PKcs Polyclonal Antibody | anti-DNA-PKcs antibody

Rabbit anti-DNA-PKcs Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA210995	Rabbit	Human	Immunoprecipitation, Western Blot

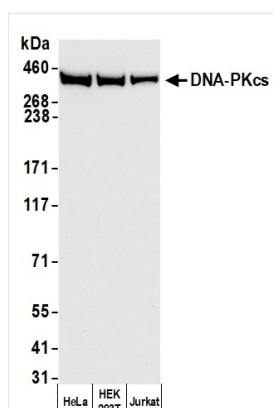
PRODUCT SYNONYMS

DNA-PKcs; Polyclonal Antibody; Rabbit anti-DNA-PKcs Antibody; Affinity Purified; hyper-radiosensitivity of murine scid mutation; complementing 1; IMD26; XRCC7; protein kinase; DNA-activated; catalytic polypeptide; p350; HYRC1; HYRC; DNA-PKC; DNA-dependent protein kinase catalytic subunit; DNAPKc; p460; DNA-PK catalytic subunit; DNAPK; DNPK1; catalytic subunit; anti-DNA-PKcs antibody

PRODUCT SPECIFICATIONS

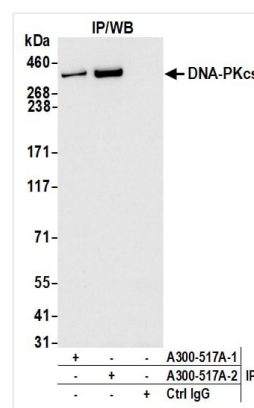
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
Concentration	200ug/ml (varies by lot)
Applicable Applications for anti-DNA-PKcs antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 2050 and 2100
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human DNA-PKcs by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, and Jurkat cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-DNA-PKcs antibody AAA210995 (lot AAA210995-2) used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.



IP (Immunoprecipitation)

Detection of human DNA-PKcs by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-DNA-PKcs antibody AAA210995 (lot AAA210995-2) used for IP at 6 ug per reaction. DNA-PKcs was also immunoprecipitated by a previous lot of this antibody (lot AAA210995-1). For blotting immunoprecipitated DNA-PKcs, AAA210995-2 was used at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-DNA-PKcs antibody	DNA-PKcs is the catalytic subunit of a DNA-dependent serine-threonine protein kinase (DNA-PK). DNA-PK is a heterotrimer comprised of DNA-PKcs and the Ku709/Ku86 dimer. DNA-PK is involved in DNA damage repair and V(D)J recombination. DNA-PK phosphorylates Artemis, a protein required for nonhomologous end-joining and is necessary for the loading of Artemis on damaged DNA.
Product Categories/Family for anti-DNA-PKcs antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	13654237
NCBI GeneID	5591
NCBI Accession #	NP_008835.5
NCBI GenBank Nucleotide #	NM_006904.6
UniProt Accession #	P78527; P78528; Q13327; Q13337; Q14175; Q59H99; Q7Z611; Q96SE6; Q9UME3
Molecular Weight	465,501 Da
NCBI Official Full Name	DNA-dependent protein kinase catalytic subunit isoform 1
NCBI Official Synonym Full Names	protein kinase, DNA-activated, catalytic polypeptide
NCBI Official Symbol	PRKDC
NCBI Official Synonym Symbols	HYRC; p350; DNAPK; DNPk1; HYRC1; IMD26; XRCC7; DNA-PKcs
NCBI Protein Information	DNA-dependent protein kinase catalytic subunit; p460; DNA-PK catalytic subunit; hyper-radiosensitivity of murine scid mutation, complementing 1
UniProt Protein Name	DNA-dependent protein kinase catalytic subunit
UniProt Gene Name	PRKDC
UniProt Synonym Gene Names	HYRC; HYRC1; DNA-PK catalytic subunit; DNA-PKcs
UniProt Entry Name	PRKDC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/dna-pkcs-antibody-immunoprecipitation-western-blot-elisa/210995>