

Rabbit PRKDC / DNA-PKcs Polyclonal Antibody | anti-PRKDC antibody

Rabbit Polyclonal to Human PRKDC / DNA-PKcs

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50737	Rabbit	Chimpanzee, Human	ELISA, Western Blot, Immunohistochemistry

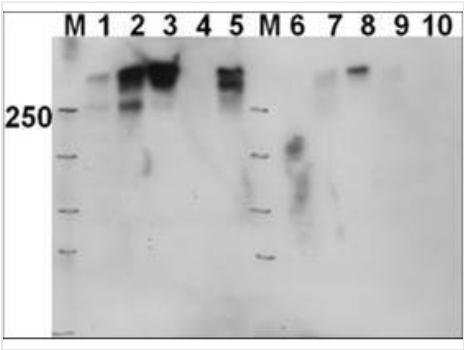
PRODUCT SYNONYMS

PRKDC / DNA-PKcs; Polyclonal Antibody; Rabbit Polyclonal to Human PRKDC / DNA-PKcs; Anti-PRKDC / DNA-PKcs Antibody (phospho-Thr2609) IHC-plus; PRKDC; DNA-PK; DNAPK; DNPK1; HYRC; HYRC1; p350; Scid; XRCC7; DNA-PK catalytic subunit; DNA-PKcs; p460; Human PRKDC; anti-PRKDC antibody

PRODUCT SPECIFICATIONS

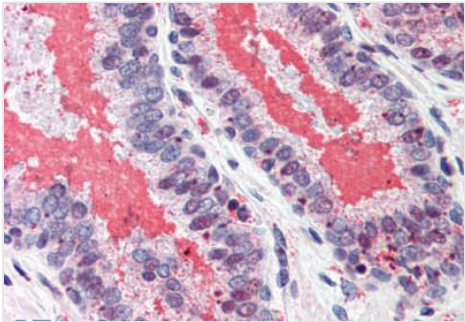
Host	Rabbit
Reactivity	Chimpanzee, Human
Clonality	Polyclonal
Specificity	aa 2604-2614 of human DNA PKcs.
Purity/Purification	Immunoaffinity Purified
Form/Format	0.02 M potassium phosphate, 0.15 M sodium chloride, pH 7.2, 0.01% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	4128
Applicable Applications for anti-PRKDC antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic peptide from human PRKDC / DNA-PKcs.
Immunogen Type	Synthetic peptide
Immunogen	PRKDC / DNA-PKcs antibody was raised against synthetic peptide from human PRKDC / DNA-PKcs.
Antigen Modification	pThr2609
Preparation and Storage	Long term: -20 degree C; Short term: +4 degree C; Avoid freeze-thaw cycles.

IMAGES



WB (Western Blot)

Anti-DNAPKcs Antibody - Western Blot. Western blot of Affinity Purified anti-DNAPKcs antibody shows detection of a 460 kD band corresponding to human DNAPKcs in various preparations. Lane 1: Fus1 untreated, Lane 2: Fus1 IR (20Gy, 4h), Lane 3: Fus1 DNAPK inhibitor + IR, Lane 4: MO59J (DNAPK-) untreated, Lane 5: MO59J IR, Lane 6: Fus1 untreated, Lane 7: Fus1 IR (20Gy, 4h), Lane 8: Fus1 DNAPK inhibitor + IR, Lane 9: MO59J untreated, Lane 10: MO59J IR. Lanes 1-5 are nuclear extract whereas lanes 6-10 are whole cell lysates. MO59J is a cell line that lacks DNA-PKcs. FUS1 is the matched cell line complemented with a chromosomal fragment containing the DNA-PKcs gene. Approximately 20 ug of lysate was run on SDS-PAGE and transferred onto nitrocellulose, followed by reaction with a 1:1000 dilution of anti-DNAPKcs antibody. Detection occurred using a 1:5000 dilution of HRP-labeled Goat anti-Rabbit IgG for 1 hour at room temperature. A chemiluminescence system was used for signal detection (Roche) using a 1 min exposure time.



IHC (Immunohistochemistry)

Anti-DNA-PKcs antibody IHC of human prostate. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

ADDITIONAL INFORMATION

Product Categories/Family for anti-PRKDC antibody	Family: Protein Kinase; Subfamily: PI3/PI4
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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; DNP1; 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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/prkdc-dna-pkcs-antibody-western-blot-immunohistochemistry-elisa/50737>