

anti-Human, Mouse DNA-PK Antibody | anti-DNA-PK antibody

DNA-PK Antibody

CATALOG # AAA109570	REACTIVITY Human, Mouse	APPLICATIONS ELISA, Immunofluorescence, Immunohistochemistry, Western Blot
-------------------------------	-----------------------------------	--

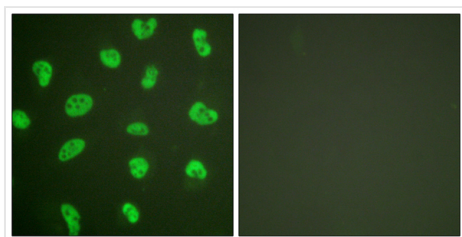
PRODUCT SYNONYMS

DNA-PK; DNA-PK Antibody; DNA-PKcs; DNA-dependent protein kinase catalytic subunit; DNP1; EC 2.7.11.1; P460; PRKD; PRKDC; XRCC7; kinase DNA-PK; anti-DNA-PK antibody

PRODUCT SPECIFICATIONS

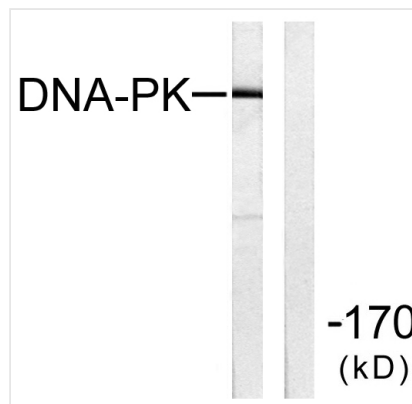
Reactivity	Human, Mouse
Specificity	DNA-PK antibody detects endogenous levels of total DNA-PK protein.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	4097
Applicable Applications for anti-DNA-PK antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized peptide derived from human DNA-PK (RAQEPESGLSEETQVKC).
Preparation and Storage	Store at -20 degree C for 1 year

IMAGES



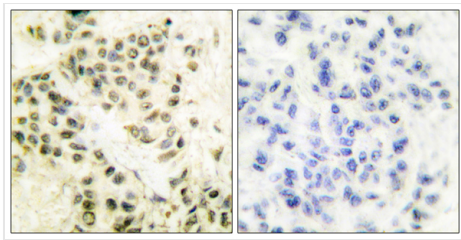
IF (Immunofluorescence)

Forskolin +/- Immunofluorescence analysis of HeLa cells, treated with Forskolin (40nM, 30mins), using DNA-PK antibody.



WB (Western Blot)

Western blot analysis of extracts from HeLa cells using DNA-PK antibody.



IHC (Immunohistochemistry)
 Peptide-+ Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using DNA-PK antibody.

ADDITIONAL INFORMATION

References	Wesley D. Block, Nucleic Acids Res., Apr 2004; 32: 1967-1972. Katherine S. Pawelczak, Nucleic Acids Res., Jan 2005; 33: 152-161. Eun-Jung Park, Nucleic Acids Res., Dec 2003; 31: 6819-6827. Suisheng Zhang, Nucleic Acids Res., Jan 2004; 32: 1-10.
------------	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	126032350
NCBI GeneID	5591
NCBI Accession #	NP_001075109.1
NCBI GenBank Nucleotide #	NM_001081640.1
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 2
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
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

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.