

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

DNA-PK (Phospho-Ser2056) Antibody

CATALOG # AAA267535	REACTIVITY Human, Mouse	APPLICATIONS ELISA, Immunohistochemistry
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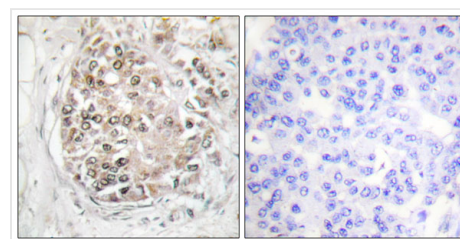
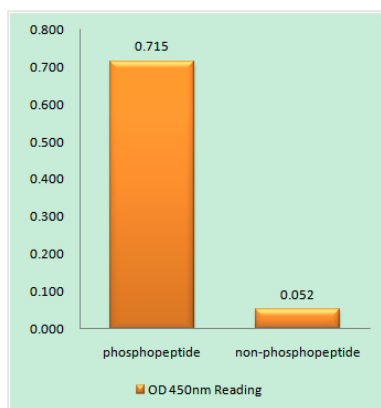
PRODUCT SYNONYMS

DNA-PK; DNA-PK (Phospho-Ser2056) Antibody; DNA-PKcs; DNA-dependent protein kinase catalytic subunit; DNPK1; EC 2.7.11.1; P460; PRKD; PRKDC; XRCC7; kinase DNA-PK; anti-DNA-PK antibody

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse
Specificity	DNA-PK (Phospho-Ser2056) antibody detects endogenous levels of DNA-PK only when phosphorylated at serine 2056.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
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, IHC (Immunohistochemistry)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human DNA-PK around the phosphorylation site of serine 2056 (Y-S-SP-Q-D).
All Sites	Human: Ser2056 Mouse: Ser2053
Preparation and Storage	Store at -20 degree C for 1 year.

IMAGES



Application Data
P-peptide+

IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue using DNA-PK (Phospho-Ser2056) antibody. DNA-PK (Phospho-Ser2056) antibody reacts with epitope-specific phosphopeptide and corresponding non-phosphopeptide. The absorbance readings at 450 nm are shown in the ELISA figure.

ADDITIONAL INFORMATION

References	Allan Y. Chen. AACR Meeting Abstracts, Mar 2004; 2004: 310. Laura J. Kienker. Nucleic Acids Res., Jul 2000; 28: 2752-2761. Sébastien Soubeyrand. Cancer Res., Mar 2003; 63: 1198-1201.
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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.

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Online datasheet: <https://www.aaabiotech.com/human-mouse-antibody/dna-pk/267535>