

Mouse anti-Human DNA-PKcs Monoclonal Antibody | anti-DNA-PKcs antibody

DNA-PKcs Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320345	Mouse	Human	Immunohistochemistry, Immunocytochemistry, Immunoprecipitation, Western Blot

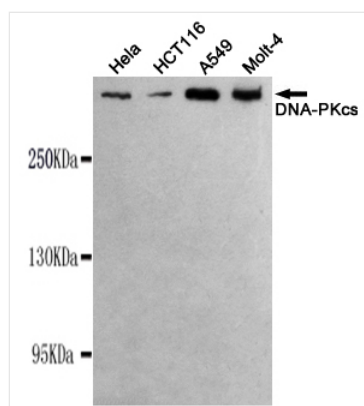
PRODUCT SYNONYMS

DNA-PKcs; Monoclonal Antibody; DNA-PKcs Mouse mAb; DNA dependent protein kinase catalytic subunit; DNA PKcs; DNA-dependent protein kinase catalytic subunit; DNA-PK catalytic subunit; DNAPK; DNP1; hyper radiosensitivity of murine scid mutation; complementing 1; HYRC; HYRC1; p350; p460; PRKDC; PRKDC_HUMAN; protein kinase; DNA activated; catalytic polypeptide; XRCC7.; anti-DNA-PKcs antibody

PRODUCT SPECIFICATIONS

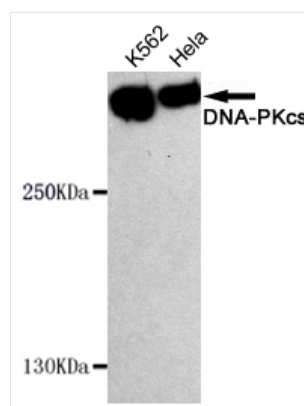
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Specificity	This antibody detects endogenous levels of DNA-PKcs and does not cross-react with related proteins.
Purity/Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-DNA-PKcs antibody	IHC (Immunohistochemistry), ICC (Immunocytochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Purified recombinant human DNA-PKcs protein fragments expressed in E coli
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



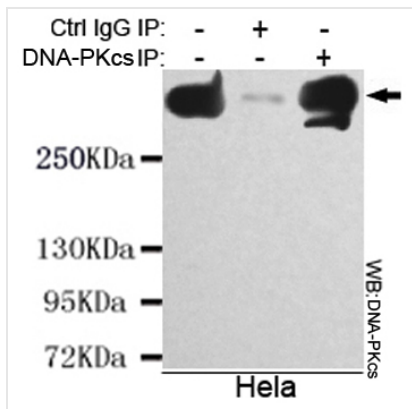
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Breast cancer using DNA-PKcs mouse mAb (1/200 dilution). Antigen retrieval was performed by pressure cooking in citrate buffer (pH 6.0).



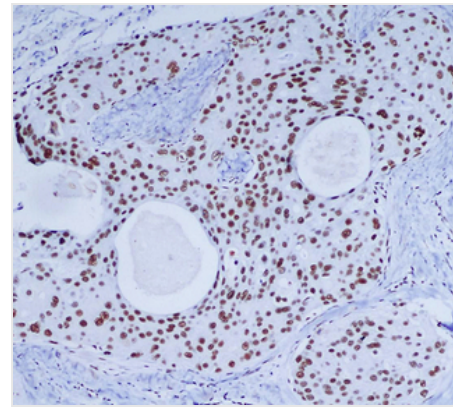
ICC (Immunocytochemistry)

Immunocytochemistry stain of HeLa using DNA-PKcs mouse mAb (1:100).



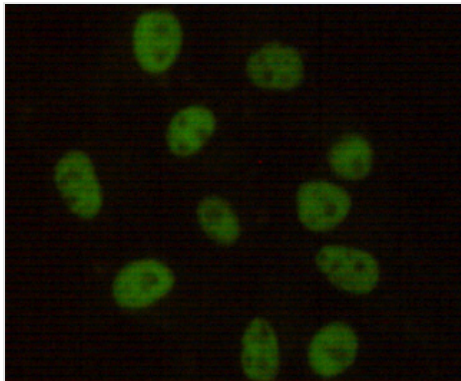
IP (Immunoprecipitation)

Immunoprecipitation analysis of HeLa cell lysate using DNA-PKcs mouse mAb.



WB (Western Blot)

Western blot detection of DNA-PKcs in HeLa, Molt-4, A549 and HCT116 cell lysates using DNA-PKcs mouse mAb (1:1000 diluted). Predicted band size: 450KDa. Observed band size: 450KDa.



WB (Western Blot)

Western blot detection of DNA-PKcs in HeLa and K562 cell lysates using DNA-PKcs mouse mAb (1:1000 diluted). Predicted band size: 450KDa. Observed band size: 450KDa.

ADDITIONAL INFORMATION

Related Product Information for anti-DNA-PKcs antibody	This gene encodes the catalytic subunit of the DNA-dependent protein kinase (DNA-PK). It functions with the Ku70/Ku80 heterodimer protein in DNA double strand break repair and recombination. The protein encoded is a member of the PI3/PI4-kinase family.[provided by RefSeq, Jul 2010]
Product Categories/Family for anti-DNA-PKcs antibody	Primary Antibodies

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	469,089 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; DNP1; HYRC1; 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/monoclonal/dna-pkcs-antibody-immunohistochemistry-immunocytochemistry-immunoprecipitation-western-blot-elisa/320345>