

Mouse anti-Human PRKDC Antibody | anti-PRKDC antibody

PRKDC Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA108778	Mouse	Human	ELISA, Immunofluorescence, Immunohistochemistry, Western Blot

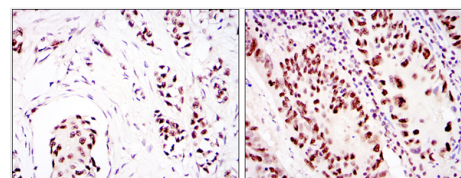
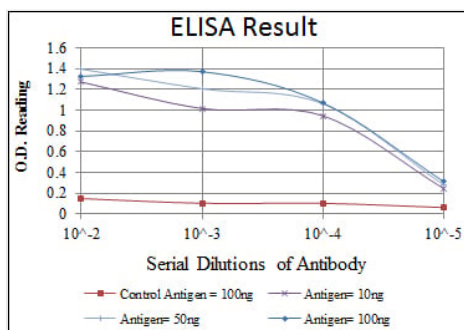
PRODUCT SYNONYMS

PRKDC; PRKDC Antibody; HYRC; p350; DNAPK; DNPK1; HYRC1; XRCC7; DNA-PKcs; anti-PRKDC antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Isotype	IgG1
Clone Number	3H6
Form/Format	Ascitic fluid containing 0.03% sodium azide.
Sequence Length	4097
Applicable Applications for anti-PRKDC antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant fragment of human PRKDC expressed in E. Coli.
Preparation and Storage	Store at 4 degree C, for long term storage, store at -20 degree C.

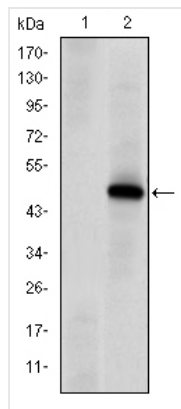
IMAGES



IHC (Immunohistochemistry)

Figure 2: Immunohistochemical analysis of paraffin-embedded breast cancer (left) and colon cancer (right) using PRKDC mouse mAb with DAB staining.

Application Data



WB (Western Blot)

Figure 1: Western blot analysis using PRKDC mAb against HEK293 (1) and PRKDC-hlgFc transfected HEK293 (2) cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-PRKDC antibody	The PRKDC gene encodes the catalytic subunit of a nuclear DNA-dependent serine/threonine protein kinase (DNA-PK). The second component is the autoimmune antigen Ku (MIM 152690), which is encoded by the G22P1 gene on chromosome 22q. On its own, the catalytic subunit of DNA-PK is inactive and relies on the G22P1 component to direct it to the DNA and trigger its kinase activity; PRKDC must be bound to DNA to express its catalytic properties.
Product Categories/Family for anti-PRKDC antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells

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	46.9kDa
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.