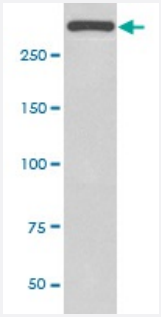
PRKDC monoclonal antibody, clone EIA-16

Catalog # MAB19982 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of HeLa cell lysate with PRKDC monoclonal antibody.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human PRKDC.
Immunogen	A synthetic peptide corresponding to human PRKDC.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) Western Blot (1:1000-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

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Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunofluorescence
- Immunocytochemistry
- Western Blot (Cell lysate)

  Western blot analysis of HeLa cell lysate with PRKDC monoclonal antibody.

Gene Info — PRKDC

Entrez GeneID	5591
Protein Accession#	P78527
Gene Name	PRKDC
Gene Alias	DNA-PKcs, DNAPK, DNPK1, HYRC, HYRC1, XRCC7, p350
Gene Description	protein kinase, DNA-activated, catalytic polypeptide
Omim ID	600899
Gene Ontology	Hyperlink
Gene Summary	The PRKDC gene encodes the catalytic subunit of a nuclear DNA-dependent serine/threonine pr otein kinase (DNA-PK). The second component is the autoimmune antigen Ku (MIM 152690), whi ch 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 ac tivity; PRKDC must be bound to DNA to express its catalytic properties.[supplied by OMIM
Other Designations	hyper-radiosensitivity of murine scid mutation, complementing 1

Pathway

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- Cell cycle
- Non-homologous end-joining

Disease

- Adenocarcinoma
- Ataxia telangiectasia
- Bone Neoplasms
- Brain Neoplasms
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Central Nervous System Neoplasms
- DNA Damage
- Genetic Predisposition to Disease
- Glioma
- Head and Neck Neoplasms
- Hematologic Diseases
- Hodgkin Disease
- Kidney Neoplasms
- Lung Neoplasms
- Lymphoma
- Lymphoproliferative Disorders
- Multiple Sclerosis
- Neoplasms
- Occupational Diseases

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- Prostate cancer
- Prostatic Neoplasms
- Thyroid Neoplasms
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Waldenstrom Macroglobulinemia
- Werner syndrome

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