PRKDC (Human) Cell-Based ELISA Kit

Catalog # KA2740 Size 1 Kit

Specification

Product Description	PRKDC (Human) Cell-Based ELISA Kit is an indirect enzyme-linked immunoassay for qualitative det ermination of PRKDC expression in cultured cells.
Suitable Sample	Attached Cell, Loosely Attached Cell, Suspension Cell
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Qualitative
Reactivity	Human, Mouse
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at 4°C.

Applications

- Qualitative

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

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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

- 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

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- Kidney Neoplasms
- Lung Neoplasms
- Lymphoma
- Lymphoproliferative Disorders
- Multiple Sclerosis
- Neoplasms
- Occupational Diseases
- Prostate cancer
- Prostatic Neoplasms
- Thyroid Neoplasms
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Waldenstrom Macroglobulinemia
- Werner syndrome

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