XRCC5 (Human) Cell-Based ELISA Kit

Catalog # KA2963 Size 1 Kit

Specification

Product Description	XRCC5 (Human) Cell-Based ELISA Kit is an indirect enzyme-linked immunoassay for qualitative determination of XRCC5 expression in cultured cells.
Suitable Sample	Attached Cell, Loosely Attached Cell, Suspension Cell
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Qualitative
Reactivity	Human
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at 4°C.

Applications

- Qualitative

Gene Info — XRCC5

Entrez GeneID	7520
Protein Accession#	P13010
Gene Name	XRCC5
Gene Alias	FLJ39089, KARP-1, KARP1, KU80, KUB2, Ku86, NFIV
Gene Description	X-ray repair complementing defective repair in Chinese hamster cells 5 (double-strand-break rejoining)

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Omim ID	194364
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is the 80-kilodalton subunit of the Ku heterodimer protein which is also known as ATP-dependant DNA helicase II or DNA repair protein XRCC5. Ku is the DNA-binding component of the DNA-dependent protein kinase, and it functions together with the DNA ligase IV-XRCC4 complex in the repair of DNA double-strand break by non-homologous end joining and the completion of V(D)J recombination events. This gene functionally complements Chinese hamster xrs-6, a mutant defective in DNA double-strand break repair and in ability to undergo V(D)J recombination. A rare microsatellite polymorphism in this gene is associated with cancer in patients of varying radiosensitivity. [provided by RefSeq
Other Designations	ATP-dependent DNA helicase II|DNA repair protein XRCC5|Ku autoantigen, 80kDa|Ku86 autoantigen related protein 1|X-ray repair complementing defective repair in Chinese hamster cells 5 (double-strand-break rejoining; Ku autoantigen, 80kD)|X-ray repair, comp

Pathway

- Non-homologous end-joining

Disease

- Acute Disease
- Adenocarcinoma
- Ataxia telangiectasia
- Brain Neoplasms
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Central Nervous System Neoplasms
- Colorectal Neoplasms
- DNA Damage
- Esophageal Neoplasms
- Genetic Predisposition to Disease

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- Genital Neoplasms
- Genomic Instability
- Glioma
- Head and Neck Neoplasms
- Kidney Failure
- Leukemia
- Lung Neoplasms
- Meningeal Neoplasms
- Meningioma
- Mouth Neoplasms
- Multiple Myeloma
- Multiple Sclerosis
- Neoplasm Recurrence
- Neoplasms
- Ovarian cancer
- Ovarian Neoplasms
- Precancerous Conditions
- Pulmonary Disease
- Radiation Injuries
- Radiodermatitis
- Stomach Neoplasms
- Thyroid Neoplasms
- Tobacco Use Disorder
- Translocation
- Urinary Bladder Neoplasms
- Werner syndrome

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