XRCC4 (Human) Cell-Based ELISA Kit

Catalog # KA3557 Size 1 Kit

Specification

Product Description	XRCC4 (Human) Cell-Based ELISA Kit is an indirect enzyme-linked immunoassay for qualitative det ermination of XRCC4 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 — XRCC4

Entrez GeneID	7518
Gene Name	XRCC4
Gene Alias	-
Gene Description	X-ray repair complementing defective repair in Chinese hamster cells 4
Omim ID	194363

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Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene functions together with DNA ligase IV and the DNA-dependent protein kinase in the repair of DNA double-strand break by non-homologous end joining and the c ompletion of V(D)J recombination events. The non-homologous end-joining pathway is required b oth for normal development and for suppression of tumors. This gene functionally complements X R-1 Chinese hamster ovary cell mutant, which is impaired in DNA double-strand breaks produced by ionizing radiation and restriction enzymes. Alternative transcription initiation and alternative spli cing generates several transcript variants. [provided by RefSeq
Other Designations	DNA repair protein XRCC4|X-ray repair cross complementing protein 4|X-ray repair, complement ing defective, repair in Chinese hamster

Pathway

- Non-homologous end-joining

Disease

- Adenocarcinoma
- Ataxia telangiectasia
- Brain Neoplasms
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Colorectal Neoplasms
- DNA Damage
- Endometriosis
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Genomic Instability
- Glioma
- Hematologic Diseases

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- Hodgkin Disease
- Kidney Failure
- Leiomyoma
- Leukemia
- Lung Neoplasms
- Lupus Erythematosus
- Lymphoma
- Lymphoproliferative Disorders
- Meningeal Neoplasms
- Meningioma
- Mouth Neoplasms
- Multiple Myeloma
- Multiple Sclerosis
- Neoplasms
- Neuroma
- Occupational Diseases
- Ovarian cancer
- Ovarian Neoplasms
- Precancerous Conditions
- Prostatic Neoplasms
- Pulmonary Disease
- Stomach Neoplasms
- Thyroid Neoplasms
- Translocation
- Urinary Bladder Neoplasms
- Waldenstrom Macroglobulinemia

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- Werner syndrome

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