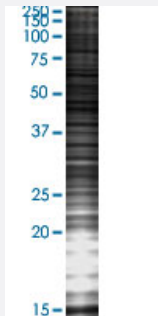


XRCC4 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00007518-T02

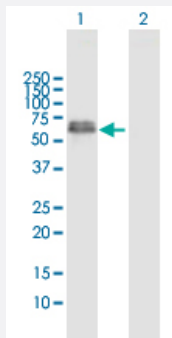
Size 100 uL

Applications



SDS-PAGE Gel

XRCC4 transfected lysate.



Western Blot

Lane 1: XRCC4 transfected lysate (38.3 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pV5-XRCC4 full-length
Host	Human
Theoretical MW (kDa)	38.3
Interspecies Antigen Sequence	Mouse (74); Rat (70)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-XRCC4 antibody ([H00007518-D01P](#)) by Western Blots.
SDS-PAGE Gel
XRCC4 transfected lysate.
Western Blot
Lane 1: XRCC4 transfected lysate (38.3 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — XRCC4

Entrez GeneID[7518](#)**GeneBank Accession#**[NM_022406.1](#)**Protein Accession#**[NP_071801.1](#)**Gene Name**

XRCC4

Gene Alias

-

Gene Description

X-ray repair complementing defective repair in Chinese hamster cells 4

Omim ID[194363](#)**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 completion of V(D)J recombination events. The non-homologous end-joining pathway is required both for normal development and for suppression of tumors. This gene functionally complements XR-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 splicing generates several transcript variants. [provided by RefSeq]

Other Designations

DNA repair protein XRCC4|X-ray repair cross complementing protein 4|X-ray repair, complementing 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](#)
- [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](#)
- [Werner syndrome](#)