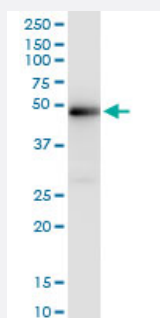


XRCC4 (Human) IP-WB Antibody Pair

Catalog # H00007518-PW1

Size 1 Set

Applications



Immunoprecipitation of XRCC4 transfected lysate using rabbit polyclonal anti-XRCC4 and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with mouse polyclonal anti-XRCC4.

Specification

Product Description	This IP-WB antibody pair set comes with one antibody for immunoprecipitation and another to detect the precipitated protein in western blot.
Reactivity	Human
Interspecies Antigen Sequence	Mouse (74); Rat (70)
Quality Control Testing	Immunoprecipitation-Western Blot (IP-WB) Immunoprecipitation of XRCC4 transfected lysate using rabbit polyclonal anti-XRCC4 and Protein A Magnetic Bead (U0007), and immunoblotted with mouse polyclonal anti-XRCC4.
Supplied Product	Antibody pair set content: 1. Antibody pair for IP: rabbit polyclonal anti-XRCC4 (300 ul) 2. Antibody pair for WB: mouse polyclonal anti-XRCC4 (50 ul)
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- Immunoprecipitation-Western Blot

[Protocol Download](#)

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](#)

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](#)