

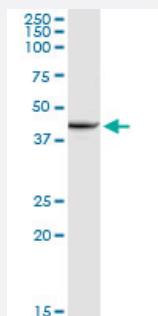
MaxPab®

XRCC4 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00007518-D01P

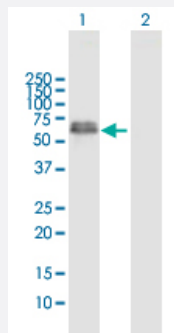
Size 100 ug

Applications



Western Blot (Tissue lysate)

XRCC4 MaxPab rabbit polyclonal antibody. Western Blot analysis of XRCC4 expression in mouse liver.



Western Blot (Transfected lysate)

Western Blot analysis of XRCC4 expression in transfected 293T cell line ([H00007518-T02](#)) by XRCC4 MaxPab polyclonal antibody.

Lane 1: XRCC4 transfected lysate(38.30 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human XRCC4 protein.

Immunogen

XRCC4 (NP_071801.1, 1 a.a. ~ 336 a.a) full-length human protein.

Sequence

MERKISRIHLVSEPSITHFLQVSWCKTLESQFVITLTDGHSWGTGTVSESEISQEADDMAMEKGKY
VGELRKALLSGAGPADVYTFNFSKESCYFFFEKNLKDVSFRLGSFNLEKVENPAEVIRELICCYLD
TIAENQAKNEHLQKENERLLRDWQVQGRFEKCVSAKEALETDLTKRFLVLNEKTKIRSLHNKL
LNAAQEREKDIKQGETAICSEMTADRPVYDESTESEENQTDLSGLASAAVSKDDSIISLDVT
DIAPSRKRRQRMQRNLGTEPKMAPQENQLQEKENSRLPDSSLPETSKKEHISAENMSLETLRNSS
PEDLFDEI

Host

Rabbit

Reactivity	Human, Mouse
Interspecies Antigen Sequence	Mouse (74); Rat (70)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

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[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of XRCC4 expression in transfected 293T cell line ([H00007518-T02](#)) by XRCC4 MaxPab polyclonal antibody.

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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](#)