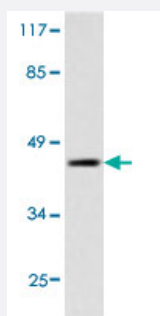


XRCC4 polyclonal antibody

Catalog # PAB24836 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of COLO 205 cell lysate with XRCC4 polyclonal antibody (Cat # PAB24836).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of XRCC4.
Immunogen	A synthetic peptide corresponding to XRCC4.
Host	Rabbit
Theoretical MW (kDa)	40
Reactivity	Human
Specificity	XRCC4 polyclonal antibody detects endogenous levels of XRCC4 protein.
Form	Liquid
Purification	Antigen affinity purification
Concentration	1 mg/mL
Purity	> 95% by SDS-PAGE
Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.

Storage Buffer	In 1x PBS, pH 7.2 (0.05% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of COLO 205 cell lysate with XRCC4 polyclonal antibody (Cat # PAB24836).

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](#)