

Datasheet for ABIN7540522
anti-XRCC1 antibody (N-Term)



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Overview

Quantity:	100 µg
Target:	XRCC1
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Chicken
Clonality:	Polyclonal
Conjugate:	This XRCC1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), ELISA, Fluorescence Microscopy (FM)

Product Details

Purpose:	XRCC1 Antibody
Immunogen:	Anti-XRCC1 antibody was prepared from eggs of chickens laid after repeated immunizations with a synthetic peptide corresponding to a N-Terminal portion of human XRCC1 conjugated to Keyhole Limpet Hemocyanin (KLH). A BLAST analysis was used to suggest cross-reactivity with the antigen based on 100% homology with the immunizing sequence to human and 91% to mouse, rat, and Chinese hamster.
Isotype:	IgG
Cross-Reactivity (Details):	This purified antibody is directed against human XRCC1.
Purification:	This product is an IgY fraction antibody purified from monospecific chicken egg yolks by a multi-step process which includes selective precipitation and salt fractionation followed by extensive dialysis against the buffer stated above.

Product Details

Sterility: Sterile filtered

Target Details

Target: XRCC1

Alternative Name: XRCC1 ([XRCC1 Products](#))

Background: Chicken Anti-X-Ray Repair Cross Complementing 1 Antibody, X-Ray Repair Complementing Defective Repair In Chinese Hamster Cells 1, X-Ray Repair Cross-Complementing Protein 1, DNA Repair Protein XRCC1, SCAR26, RCC,XRCC1 (X-Ray Repair Cross Complementing 1) is involved in the efficient repair of DNA single-strand breaks formed by exposure to ionizing radiation and alkylating agents. This protein interacts with DNA ligase III, polymerase beta and poly (ADP-ribose) polymerase to participate in the base excision repair pathway. It may play a role in DNA processing during meiosis and recombination in germ cells. A rare microsatellite polymorphism in this gene is associated with cancer in patients of varying radiosensitivity. Diseases associated with XRCC1 include Spinocerebellar Ataxia, Autosomal Recessive 26 and Gastric Cardia Carcinoma. Anti-XRCC1 Antibody is useful for researchers interested in Cancer research and DNA repair.

Gene ID: 7515

NCBI Accession: [NP_006288](#)

UniProt: [P18887](#)

Pathways: [DNA Damage Repair](#)

Application Details

Application Notes: ELISA_Dilution: 1:10,000 - 1:50,000
IF_Microscopy_Dilution: 10 µg/mL
Western_Blott_Dilution: 1:500-1:1000

Comment: Anti-XRCC1 Antibody has been tested in immunofluorescence and western blot. Expect a band at ~69.5kDa in western blot using appropriate tissues and lysates. Positive control used: U2OS, MOLT4, Jurkat, and NIH-3T3 in WB. U2OS in Immunofluorescence.

Restrictions: For Research Use only

Handling

Format: Liquid

Handling

Buffer:	Buffer: 0.002 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.0 Stabilizer: None Preservative: 0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	12 months