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Datasheet for ABIN2857069
anti-XRCC3 antibody (C-Term)

2 Images

Overview

Quantity:	100 µL
Target:	XRCC3
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This XRCC3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the C-terminus region of human XRCC3. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Rabbit polyclonal antibody to XRCC3 (X-ray repair complementing defective repair in Chinese hamster cells 3) XRCC3 antibody [C1C3]
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	XRCC3
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Target Details

Alternative Name:	X-ray repair cross complementing 3 (XRCC3 Products)
Background:	<p>This gene encodes a member of the RecA/Rad51-related protein family that participates in homologous recombination to maintain chromosome stability and repair DNA damage. This gene functionally complements Chinese hamster irs1SF, a repair-deficient mutant that exhibits hypersensitivity to a number of different DNA-damaging agents and is chromosomally unstable. A rare microsatellite polymorphism in this gene is associated with cancer in patients of varying radiosensitivity. Alternatively spliced transcript variants encoding the same protein have been identified.</p> <p>Cellular Localization: Nucleus</p>
Molecular Weight:	38 kDa
Gene ID:	7517
UniProt:	O43542
Pathways:	DNA Damage Repair

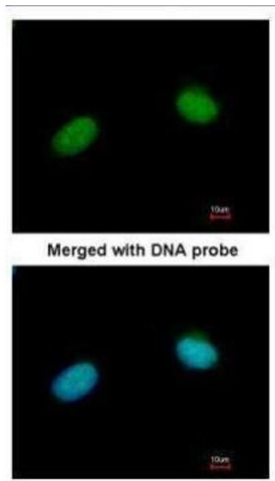
Application Details

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: DDDDK-human XRCC3-transfected 293T cells
Restrictions:	For Research Use only

Handling

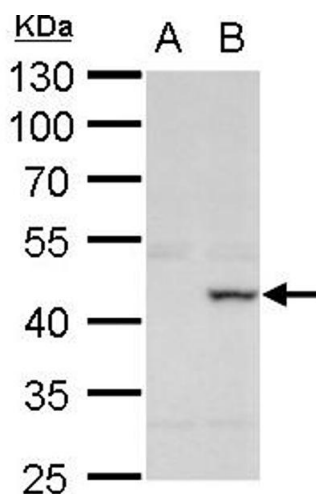
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.1M Tris-Glycine (pH 7), 10 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage

(1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.



Immunofluorescence

Image 1. ICC/IF Image Immunofluorescence analysis of paraformaldehyde-fixed HeLa, using XRCC3, antibody at 1:200 dilution.



Western Blotting

Image 2. WB Image XRCC3 antibody detects XRCC3 protein by western blot analysis. A. 30 µg 293T whole cell lysate/extract B. 30 µg whole cell lysate/extract of DDDDK-human XRCC3-transfected 293T cells 10 % SDS-PAGE XRCC3 antibody, dilution: 1:1000