Datasheet for ABIN651735

anti-XRCC1 antibody (AA 407-435)

4 Images

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Overview

Quantity:	400 µL
Target:	XRCC1
Binding Specificity:	AA 407-435
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This XRCC1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	This XRCC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 407-435 amino acids from the Central region of human XRCC1.
Clone:	RB24559
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	XRCC1
Alternative Name:	XRCC1 (XRCC1 Products)

Target Details

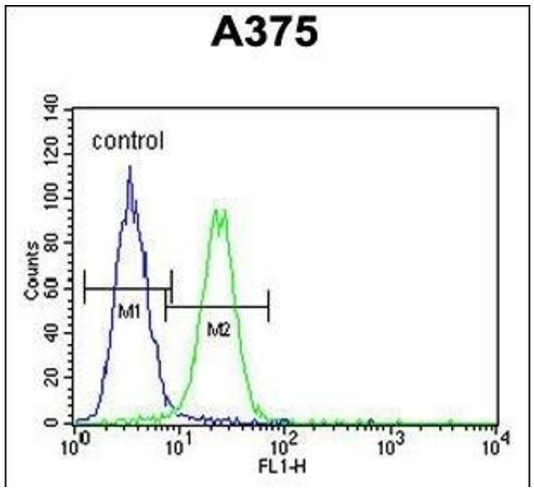
Background:	The protein encoded by this gene is involved in the efficient repair of DNA single-strand breaks formed by exposure to ionizing radiation and alkylating agents. This protein interacts with DNA ligase III, polymerase beta and poly (ADP-ribose) polymerase to participate in the base excision repair pathway. It may play a role in DNA processing during meiogenesis and recombination in germ cells. A rare microsatellite polymorphism in this gene is associated with cancer in patients of varying radiosensitivity.
Molecular Weight:	69477
Gene ID:	7515
NCBI Accession:	NP_006288
UniProt:	P18887
Pathways:	DNA Damage Repair

Application Details

Application Notes:	IF: 1:25. WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

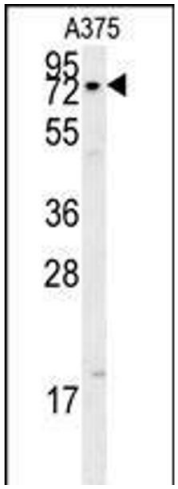
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (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:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



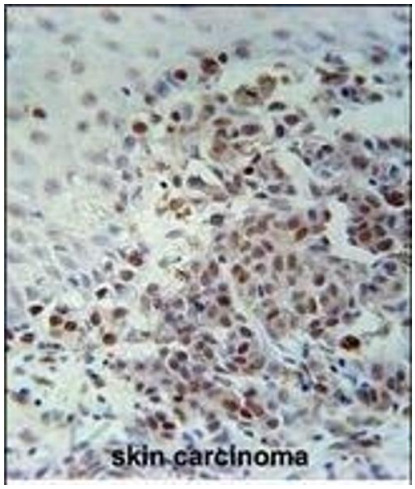
Flow Cytometry

Image 1. XRCC1 Antibody (Center) (ABIN651735 and ABIN2840381) flow cytometric analysis of cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. XRCC1 Antibody (Center) (ABIN651735 and ABIN2840381) western blot analysis in cell line lysates (15 µg/lane).This demonstrates the XRCC1 antibody detected the XRCC1 protein (arrow).



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. XRCC1 Antibody (Center) (ABIN651735 and ABIN2840381) immunohistochemistry analysis in formalin fixed and paraffin embedded human skin carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the XRCC1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

Please check the product details page for more images. Overall 4 images are available for ABIN651735.