

Datasheet for ABIN969463

anti-XRCC5 antibody

5 Images

2 Publications

[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	XRCC5
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified recombinant fragment of human XRCC5 expressed in E. coli.
Clone:	5C5
Isotype:	IgG1
Purification:	purified

Target Details

Target:	XRCC5
Alternative Name:	XRCC5 (XRCC5 Products)
Background:	<p>Description: The protein encoded by this gene is the 80-kilodalton subunit of the Ku heterodimer protein which is also known as ATP-dependant DNA helicase II or DNA repair protein XRCC5.</p> <p>Ku is the DNA-binding component of the DNA-dependent protein kinase, and it functions together with the DNA ligase IV-XRCC4 complex in the repair of DNA double-strand break by</p>

Target Details

non-homologous end joining and the completion of V(D)J recombination events. This gene functionally complements Chinese hamster xrs-6, a mutant defective in DNA double-strand break repair and in ability to undergo V(D)J recombination. A rare microsatellite polymorphism in this gene is associated with cancer in patients of varying radiosensitivity.

Aliases: KU80, KUB2, Ku86, NFIV, KARP1, KARP-1, FLJ39089

Molecular Weight: 86 kDa

Gene ID: 7520

HGNC: 7520

Pathways: [DNA Damage Repair](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:200 - 1:1000, FCM: 1:200 - 1:400

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

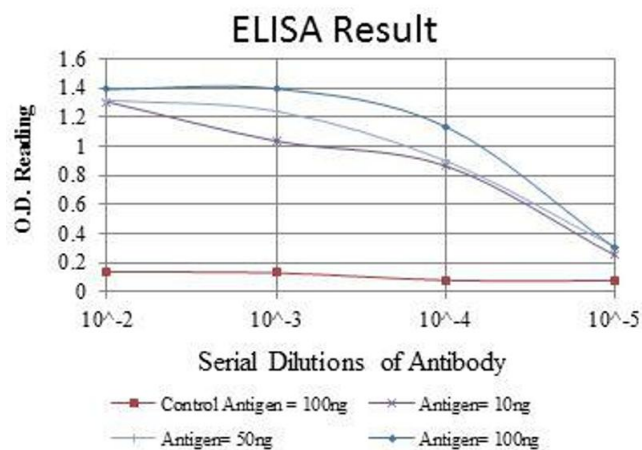
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

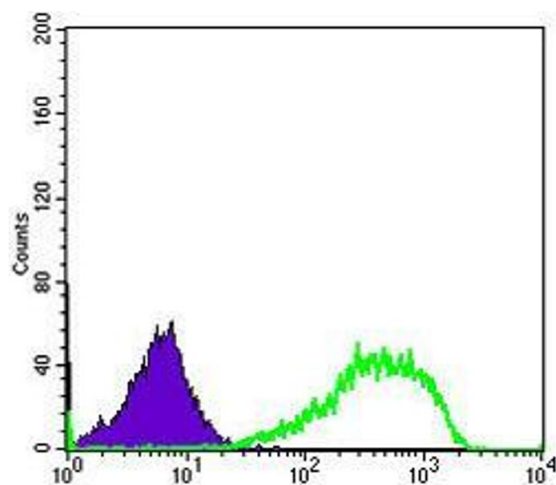
Publications

Product cited in: Koc, Cimen, Kumcuoglu, Abu, Akpinar, Haque, Spremulli, Koc: "Identification and characterization of CHCHD1, AURKAIP1, and CRIF1 as new members of the mammalian mitochondrial ribosome." in: **Frontiers in physiology**, Vol. 4, pp. 183, (2013) ([PubMed](#)).



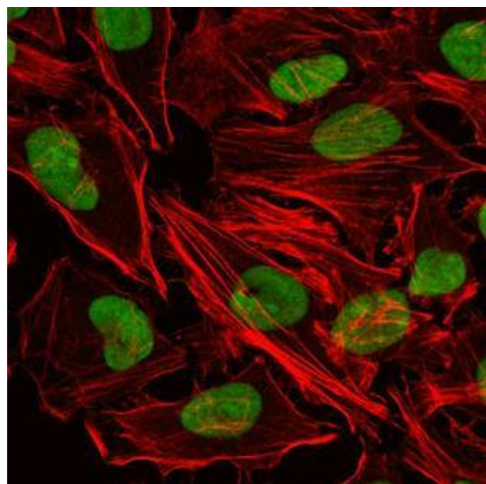
ELISA

Image 1. Red: Control Antigen (100 ng), Purple: Antigen (10 ng), Green: Antigen (50 ng), Blue: Antigen (100 ng),



Flow Cytometry

Image 2. Flow cytometric analysis of Hela cells using XRCC5 mouse mAb (green) and negative control (purple).



Immunofluorescence

Image 3. Immunofluorescence analysis of Hela cells using XRCC5 mouse mAb (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN969463.