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Datasheet for ABIN655900 anti-XRCC5 antibody (AA 424-450)

4 Images



Overview

| Quantity: | 400 µL |
|----------------------|---|
| Target: | XRCC5 |
| Binding Specificity: | AA 424-450 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This XRCC5 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS) |

Product Details

| Immunogen: | This XRCC5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 424-450 amino acids from the Central region of human XRCC5. |
|---------------|---|
| Clone: | RB17385 |
| Isotype: | Ig Fraction |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification. |

Target Details

| Target: | XRCC5 |
|-------------------|---|
| Alternative Name: | XRCC5 (XRCC5 Products) |
| Background: | The protein encoded by this gene is the 80-kilodalton subunit of the Ku heterodimer protein |

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Target Details

| | which is also known as ATP-dependant DNA helicase II or DNA repair protein XRCC5. 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 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. |
| Molecular Weight: | 82705 |
| Gene ID: | 7520 |
| | |

| NCBI Accession: | NP_066964 |
|-----------------|-------------------|
| UniProt: | P13010 |
| Pathways: | DNA Damage Repair |

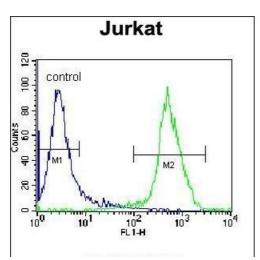
Application Details

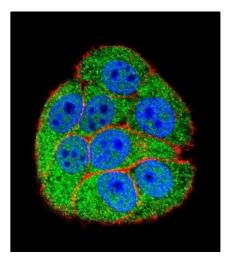
| Application Notes: | IF: 1:10~50. WB: 1:1000. WB: 1:1000. FC: 1:10~50 |
|--------------------|--|
| Restrictions: | For Research Use only |

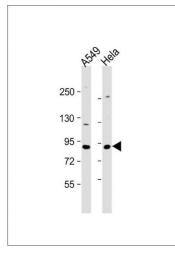
Handling

| 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 |

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Flow Cytometry

Image 1. XRCC5 Antibody (Center) (ABIN655900 and ABIN2845300) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.

Immunofluorescence

Image 2. Confocal immunofluorescent analysis of XRCC5 Antibody (Center) (ABIN655900 and ABIN2845300) with hela cell followed by Alexa Fluor 488-conjugated goat antirabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red). DI was used to stain the cell nuclear (blue).

Western Blotting

Image 3. All lanes : Anti-XRCC5Antibody (Center) at 1:1000 dilution Lane 1: A549 whole cell lysate Lane 2: Hela whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 83 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

Please check the product details page for more images. Overall 4 images are available for ABIN655900.

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