

Datasheet for ABIN654934
anti-CEP164 antibody (N-Term)

2 Images

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Overview

Quantity:	400 µL
Target:	CEP164
Binding Specificity:	AA 246-274, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CEP164 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This CE164 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 246-274 amino acids from the N-terminal region of human CE164.
Clone:	RB24951
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	CEP164
Alternative Name:	CE164 (CEP164 Products)
Background:	Plays a role in microtubule organization and/or maintenance for the formation of primary cilia

Target Details

(PC), a microtubule-based structure that protrudes from the surface of epithelial cells. Plays a critical role in G2/M checkpoint and nuclear divisions. A key player in the DNA damage-activated ATR/ATM signaling cascade since it is required for the proper phosphorylation of H2AX, RPA,CHK2 and CHK1. Plays a critical role in chromosome segregation, acting as a mediator required for the maintenance of genomic stability through modulation of MDC1, RPA and CHK1.

Molecular Weight: 164314

Gene ID: 22897

NCBI Accession: [NP_001258862](#), [NP_055771](#)

UniProt: [Q9UPV0](#)

Pathways: [M Phase](#)

Application Details

Application Notes: 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.

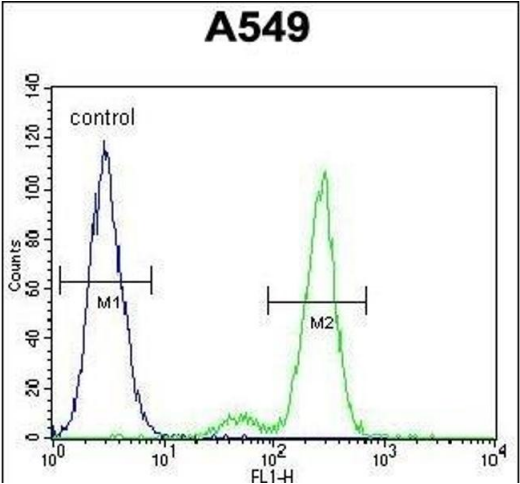
Preservative: Sodium azide

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

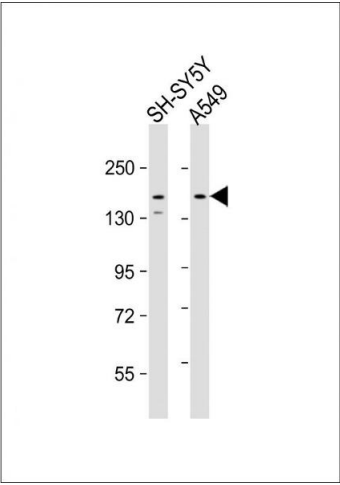
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



Flow Cytometry

Image 1. C Antibody (N-term) (ABIN654934 and ABIN2844577) flow cytometric analysis of A549 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. All lanes : Anti-C Antibody (N-term) at 1:1000 dilution Lane 1: SH-SY5Y whole cell lysate Lane 2: A549 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 : 164 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.