

Product datasheet for **AP50843PU-N**

CEP164 (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, WB
Recommended Dilution:	Peptide ELISA: 1/1000. Western blot: 1/1000. Flow Cytometry: 1/10-1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 246-274 amino acids from the N-terminal region of human CEP164
Specificity:	This antibody reacts to CEP164.
Formulation:	PBS State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.09% (W/V) sodium azide
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	164314 Da
Gene Name:	centrosomal protein 164
Database Link:	Entrez Gene 22897 Human Q9UPV0



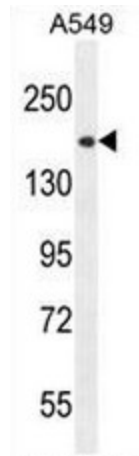
[View online »](#)

Background:

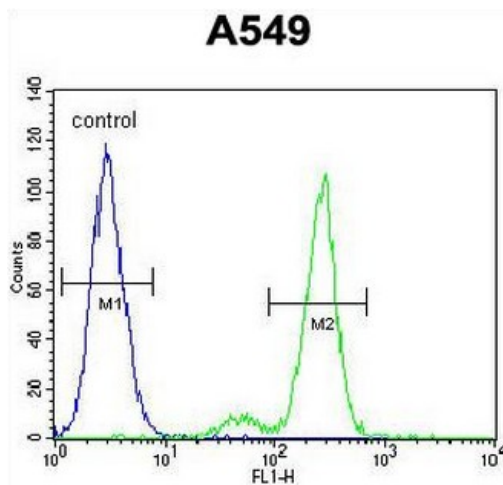
Plays a role in microtubule organization and/or maintenance for the formation of primary cilia (PC), a microtubule-based structure that protrudes from the surface of epithelial cells. Plays a critical role in G2/M checkpoint and nuclear divisions. A key player in the DNA damage-activated ATR/ATM signaling 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.

Synonyms:

KIAA1052

Product images:


CE164 Antibody (N-term) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the CE164 antibody detected the CE164 protein (arrow).



CE164 Antibody (N-term) 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.