antibodies - online.com







anti-CEP164 antibody (N-Term)

Images



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Overview	
Quantity:	0.4 mL
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), Enzyme Immunoassay (EIA)
Product Details	
lmmunogen:	KLH conjugated synthetic peptide between 246-274 amino acids from the N-terminal region of human CE164
Isotype:	lg Fraction
Specificity:	This antibody reacts to CE164.
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Affinity chromatography on Protein A
Target Details	
Target:	CEP164

Target Details

Bac	kar	ound:

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: Centrosomal protein of 164 kDa, KIAA1052

Molecular Weight: 164314 Da

Gene ID: 22897

NCBI Accession: NP_055771

M Phase

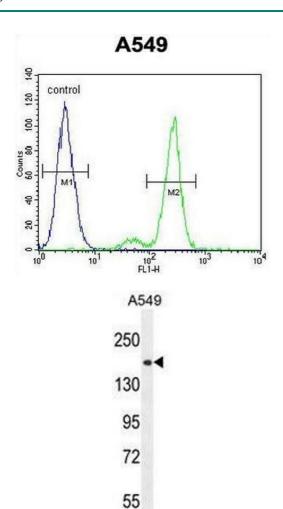
Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Pathways:

Handling		
Format:	Liquid	
Concentration:	0.25 mg/mL	
Buffer:	PBS, 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.	
Handling Advice:	Avoid repeated freezing and thawing.	
Storage:	4 °C/-20 °C	
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.	



Flow Cytometry

Image 1. 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.

Western Blotting

Image 2. CE164 Antibody (N-term) western blot analysis in A549 cell line lysates (35µg/lane). This demonstrates the CE164 antibody detected the CE164 protein (arrow).