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Datasheet for ABIN6260765
anti-CEP164 antibody (C-Term)

2 Images

Overview

Quantity:	100 µL
Target:	CEP164
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CEP164 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	A synthesized peptide derived from human CEP164, corresponding to a region within C-terminal amino acids.
Isotype:	IgG
Specificity:	CEP164 Antibody detects endogenous levels of total CEP164.
Predicted Reactivity:	Pig,Bovine,Sheep,Rabbit,Dog,Chicken
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	CEP164
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Target Details

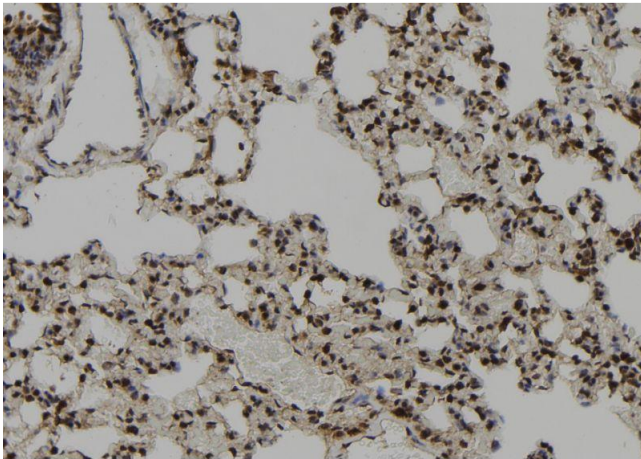
Alternative Name:	CEP164 (CEP164 Products)
Background:	<p>Description: Plays a role in microtubule organization and/or maintenance for the formation of primary cilia (PC), a microtubule-based structure that protrudes from the surface of epithelial cells. Plays a critical role in G2/M checkpoint and nuclear divisions. A key player in the DNA damage-activated ATR/ATM signaling cascade since it is required for the proper phosphorylation of H2AX, RPA, CHEK2 and CHEK1. Plays a critical role in chromosome segregation, acting as a mediator required for the maintenance of genomic stability through modulation of MDC1, RPA and CHEK1.</p> <p>Gene: CEP164</p>
Molecular Weight:	164 kDa
Gene ID:	22897
UniProt:	Q9UPV0
Pathways:	M Phase

Application Details

Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200
Restrictions:	For Research Use only

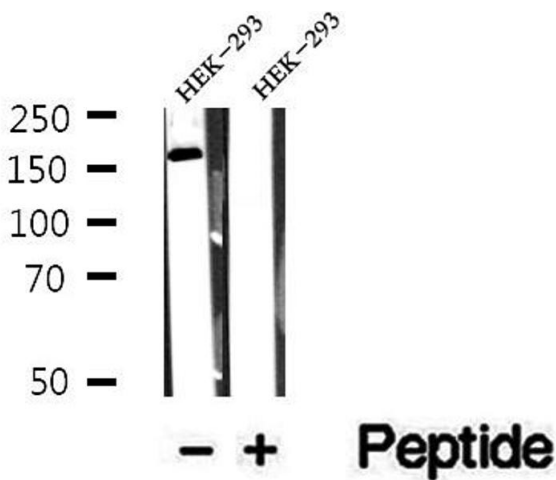
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months



Immunohistochemistry

Image 1. ABIN6273097 at 1/100 staining Rat lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



Western Blotting

Image 2. Western blot analysis of extracts of HEK-293 cells, using CEP164 antibody.