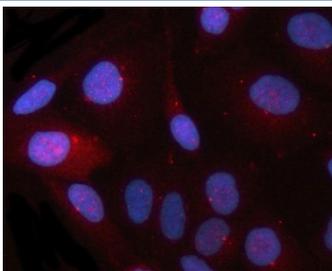


CEP164 Antibody / Centrosomal protein of 164 kDa (RQ8196)

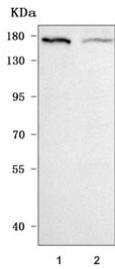
Catalog No.	Formulation	Size
RQ8196	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

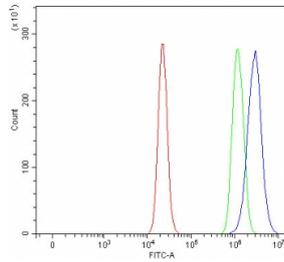
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9UPV0
Localization	Cytoplasmic, nuclear
Applications	Western Blot : 0.5-1ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This CEP164 antibody is available for research use only.



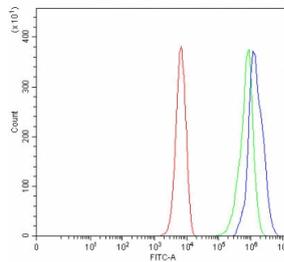
Immunofluorescent staining of FFPE human HeLa cells with CEP164 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) K562 and 2) SiHa cell lysate with CEP164 antibody.
Predicted molecular weight ~164 kDa.



Flow cytometry testing of fixed and permeabilized human RT4 cells with CEP164 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= CEP164 antibody.



Flow cytometry testing of fixed and permeabilized human K562 cells with CEP164 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= CEP164 antibody.

Description

Centrosomal protein of 164 kDa, also known as CEP164, is a protein that in humans is encoded by the CEP164 gene. This gene encodes a centrosomal protein involved in microtubule organization, DNA damage response, and chromosome segregation. The encoded protein is required for assembly of primary cilia and localizes to mature centrioles. Defects in this gene are a cause of nephronophthisis-related ciliopathies. Two transcript variants encoding different isoforms have been found for this gene.

Application Notes

Optimal dilution of the CEP164 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids D10-R903) was used as the immunogen for the CEP164 antibody.

Storage

After reconstitution, the CEP164 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

