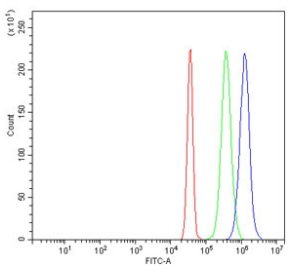
CENPH Antibody (RQ6605)

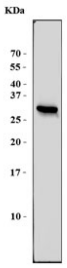
Catalog No.	Formulation	Size
RQ6605	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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	Q9H3R5
Applications	Western Blot : 1-2ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This CENPH antibody is available for research use only.



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



Western blot testing of human 293T cells with CENPH antibody. Predicted molecular weight ~28 kDa.

Description

Centromere protein H is a protein that in humans is encoded by the CENPH gene. Centromere and kinetochore proteins play a critical role in centromere structure, kinetochore formation, and sister chromatid separation. The protein encoded by this gene colocalizes with inner kinetochore plate proteins CENP-A and CENP-C in both interphase and metaphase. It localizes outside of centromeric heterochromatin, where CENP-B is localized, and inside the kinetochore corona, where CENP-E is localized during prometaphase. It is thought that this protein can bind to itself, as well as to CENP-A, CENP-B or CENP-C. Multimers of the protein localize constitutively to the inner kinetochore plate and play an important role in the organization and function of the active centromere-kinetochore complex.

Application Notes

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

Immunogen

Recombinant human protein (amino acids E37-M247) was used as the immunogen for the CENPH antibody.

Storage

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