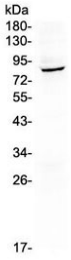
HOOK2 Antibody (RQ4947)

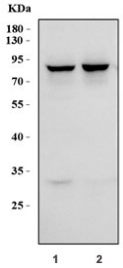
Catalog No.	Formulation	Size
RQ4947	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

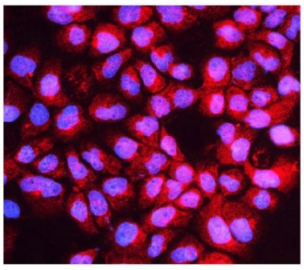
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q96ED9
Localization	Cytoplasmic
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Direct ELISA: 0.1-0.5ug/ml Flow cytometry: 1-3ug/10^6 cells Immunofluorescence (FFPE): 5ug/ml
Limitations	This HOOK2 antibody is available for research use only.



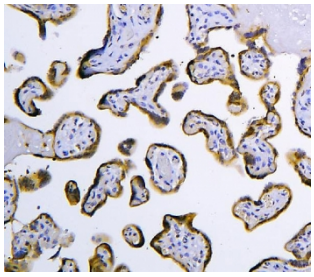
Western blot testing of human A549 lysate with HOOK2 antibody at 0.5ug/ml. Predicted molecular weight ~83 kDa.



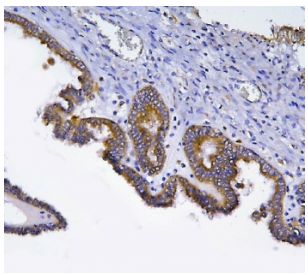
Western blot testing of human 1) RT4 and 2) MCF7 cell lysate with HOOK2 antibody at 0.5ug/ml. Predicted molecular weight ~83 kDa.



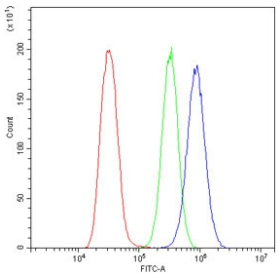
Immunofluorescent staining of FFPE human A431 cells with HOOK2 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



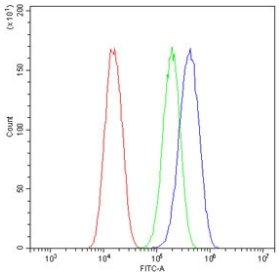
IHC staining of FFPE human placenta tissue with HOOK2 antibody. HIER: boil tissue sections in pH8 EDTA buffer, for 10-20 min and allow to cool before testing.



IHC staining of FFPE human ovarian cancer tissue with HOOK2 antibody. HIER: boil tissue sections in pH8 EDTA buffer, for 10-20 min and allow to cool before testing.



Flow cytometry testing of human U-2 OS cells with HOOK2 antibody at 1ug/10^6 cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= HOOK2 antibody.



Flow cytometry testing of human U-87 MG cells with HOOK2 antibody at 1ug/10^6 cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= HOOK2 antibody.

Description

Protein Hook homolog 2 (HK2) is a protein that in humans is encoded by the HOOK2 gene. This gene is mapped to 19p13.13. Hook proteins are cytosolic coiled-coil proteins that contain conserved N-terminal domains, which attach to microtubules, and more divergent C-terminal domains, which mediate binding to organelles. The Drosophila Hook protein is a component of the endocytic compartment.

Application Notes

Optimal dilution of the HOOK2 antibody should be determined by the researcher.

Immunogen

Amino acids E500-R702 from the human protein were used as the immunogen for the HOOK2 antibody.

Storage

After reconstitution, the HOOK2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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