

HOOK2 Antibody (RQ4947)

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

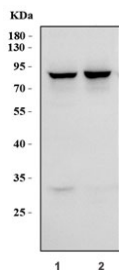
Bulk quote request

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.

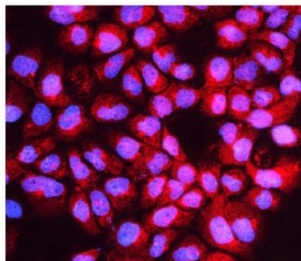
kDa
180-
130-
95-
72-
55-
43-
34-
26-

17-

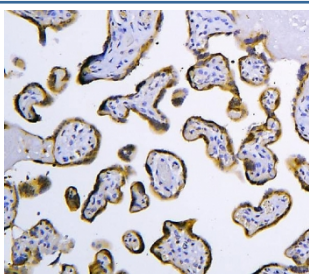
Western blot testing of human A549 lysate with HOOK2 antibody at 0.5ug/ml. Predicted molecular weight ~83 kDa.



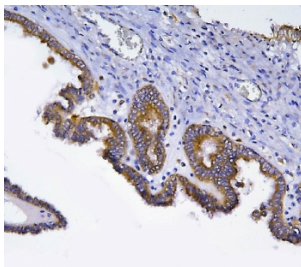
Western blot testing of human 1) RT4 and 2) MCF7 cell lysate with HOOK2 antibody at 0.5ug/ml. Predicted molecular weight ~83 kDa.



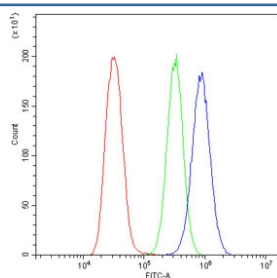
Immunofluorescent staining of FFPE human A431 cells with HOOK2 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



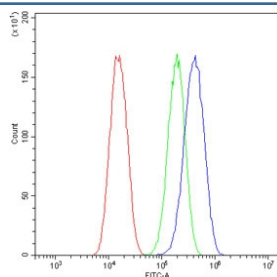
IHC staining of FFPE human placenta tissue with HOOK2 antibody. HIER: boil tissue sections in pH8 EDTA buffer, for 10-20 min and allow to cool before testing.



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/10⁶ 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/10⁶ cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= HOOK2 antibody.

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 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.