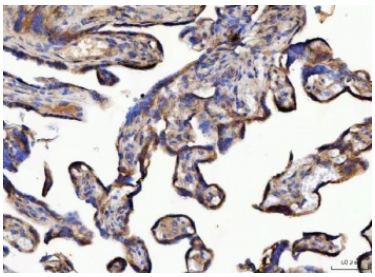
NUDCD3 Antibody / NudC domain-containing protein 3 (RQ8433)

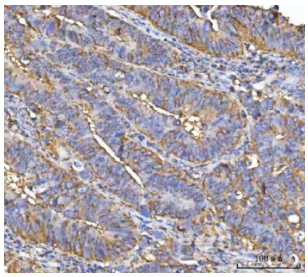
Catalog No.	Formulation	Size
RQ8433	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

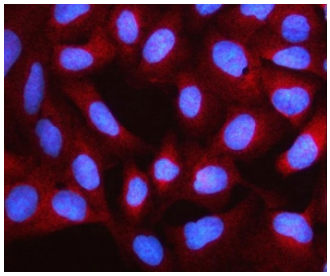
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q8IVD9
Localization	Cytoplasm
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This NUDCD3 antibody is available for research use only.



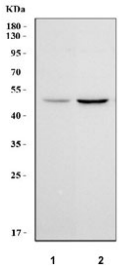
IHC staining of FFPE human placental tissue with NUDCD3 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



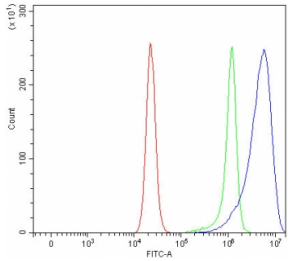
IHC staining of FFPE human colorectal adenocarcinoma tissue with NUDCD3 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Immunofluorescent staining of FFPE human U-2 OS cells with NUDCD3 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) 293T and 2) SH-SY5Y cell lysate with NUDCD3 antibody. Predicted molecular weight ~41 KDa.



Flow cytometry testing of fixed and permeabilized human RT4 cells with NUDCD3 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= NUDCD3 antibody.

Description

NudC domain-containing protein 3 is a protein that in humans is encoded by the NUDCD3 gene. The product of this gene functions to maintain the stability of dynein intermediate chain. Depletion of this gene product results in aggregation and degradation of dynein intermediate chain, mislocalization of the dynein complex from kinetochores, spindle microtubules, and spindle poles, and loss of gamma-tubulin from spindle poles. The protein localizes to the Golgi apparatus during interphase, and levels of the protein increase after the G1/S transition.

Application Notes

Optimal dilution of the NUDCD3 antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (M1-Y271) was used as the immunogen for the NUDCD3 antibody.

Storage

After reconstitution, the NUDCD3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.