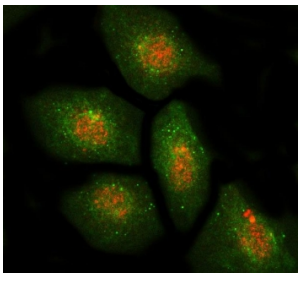
DBF4 Antibody (RQ5689)

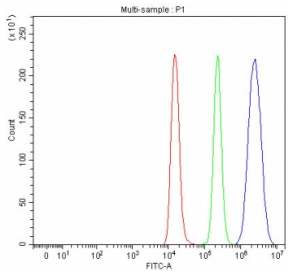
Catalog No.	Formulation	Size
RQ5689	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

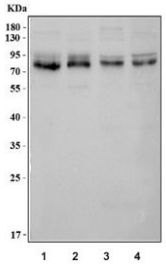
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9UBU7
Localization	Nuclear
Applications	Western blot: 0.5-1ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This DBF4 antibody is available for research use only.



Immunofluorescent staining of FFPE human A549 cells with DBF4 antibody (red) and Beta Actin antibody (green). HIER: steam section in pH6 citrate buffer for 20 min.



Flow cytometry testing of fixed and permeabilized human Raji cells with DBF4 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= DBF4 antibody.



Western blot testing of 1) human HepG2, 2) human SH-SY5Y, 3) rat PC-12 and 4) mouse NIH 3T3 cell lysate with DBF4 antibody. Predicted molecular weight: ~74 kDa.

Description

Using both gain- and loss-of-function experiments, it was found that Xenopus Dbf4 inhibited canonical Wnt signaling. Depletion of endogenous Dbf4 did not disturb gastrulation movements or early organizer genes, but resulted in embryos with morphologically defective heart and eyes and suppressed cardiac markers. The function of Dbf4 in heart development appeared to be independent of its role in the cell cycle. Dbf4 interacted physically and functionally with Frodo, a context-dependent regulator of Wnt signaling.

Application Notes

Optimal dilution of the DBF4 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids Y295-S665) was used as the immunogen for the DBF4 antibody.

Storage

After reconstitution, the DBF4 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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