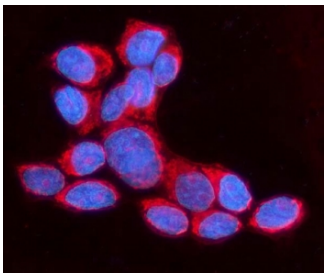
ANAPC1 Antibody / Anaphase-promoting complex subunit 1 (RQ8792)

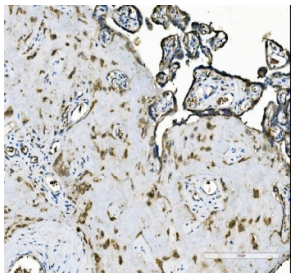
Catalog No.	Formulation	Size
RQ8792	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

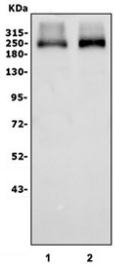
Availability	1-3 days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity chromatography
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9H1A4
Localization	Cytoplasm, Nucleus
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells ELISA : 0.1-0.5ug/ml
Limitations	This ANAPC1 antibody is available for research use only.



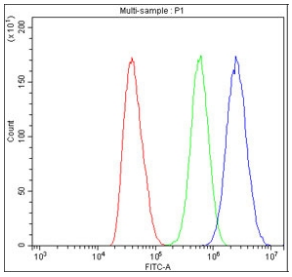
Immunofluorescent staining of FFPE human A549 cells with ANAPC1 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



IHC staining of FFPE human placental tissue with ANAPC1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) HEK293 and 2) K562 cell lysate with ANAPC1 antibody. Predicted molecular weight ~217 kDa but may be observed at higher molecular weights due to phosphorylation.



Flow cytometry testing of fixed and permeabilized human A549 cells with ANAPC1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= ANAPC1 antibody.

Description

Anaphase-promoting complex subunit 1 is an enzyme that in humans is encoded by the ANAPC1 gene. This gene encodes a subunit of the anaphase-promoting complex. This complex is an E3 ubiquitin ligase that regulates progression through the metaphase to anaphase portion of the cell cycle by ubiquitinating proteins which targets them for degradation.

Application Notes

Optimal dilution of the ANAPC1 antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (amino acids M1-E197) was used as the immunogen for the ANAPC1 antibody.

Storage

After reconstitution, the ANAPC1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.