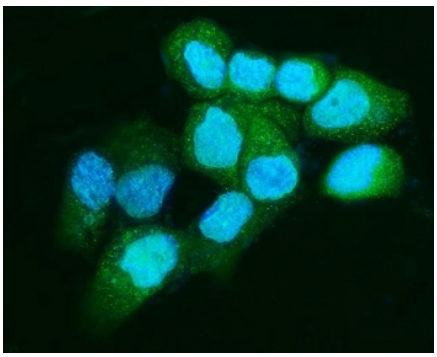
Apc5 Antibody / Anaphase-promoting complex subunit 5 (RQ6121)

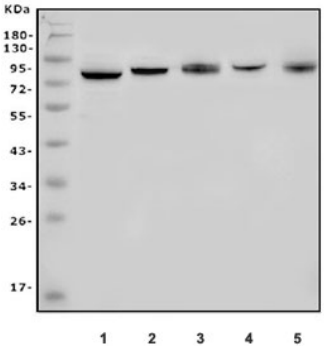
Catalog No.	Formulation	Size
RQ6121	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

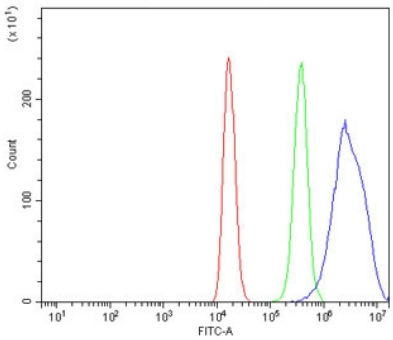
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q9UJX4
Applications	Western blot : 1-2ug/ml Immunofluorescence : 5ug/ml Flow cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This Apc5 antibody is available for research use only.



Immunofluorescent staining of FFPE human A431 cells with Apc5 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) HL60, 2) HEK293, 3) K562, 4) Jurkat and 5) Raji cell lysate with Apc5 antibody. Predicted molecular weight ~85 kDa.



Flow cytometry testing of human 293T cells with Apc5 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Apc5 antibody.

Description

Anaphase-promoting complex subunit 5 is an enzyme that in humans is encoded by the ANAPC5 gene. This gene encodes a tetratricopeptide repeat-containing component of the anaphase promoting complex/cyclosome (APC/C), a large E3 ubiquitin ligase that controls cell cycle progression by targeting a number of cell cycle regulators such as B-type cyclins for 26S proteasome-mediated degradation through ubiquitination. The encoded protein is required for the proper ubiquitination function of APC/C and for the interaction of APC/C with transcription coactivators. It also interacts with polyA binding protein and represses internal ribosome entry site-mediated translation. Multiple transcript variants encoding different isoforms have been found for this gene. These differences cause translation initiation at a downstream AUG and result in a shorter protein (isoform b), compared to isoform a.

Application Notes

Optimal dilution of the Apc5 antibody should be determined by the researcher.

Immunogen

A human recombinant partial protein (amino acids M1-D266) was used as the immunogen for the Apc5 antibody.

Storage

After reconstitution, the Apc5 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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