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ANAPC5 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP10974c

Specification

ANAPC5 Antibody (Center) - Product Information

Application	**WB, FC,E**
Primary Accession	Q9UJX4
Other Accession	NP_057321.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**85077**
Antigen Region	**156-185**

ANAPC5 Antibody (Center) - Additional Information

Gene ID 51433

Other Names
Anaphase-promoting complex subunit 5, APC5, Cyclosome subunit 5, ANAPC5, APC5

Target/Specificity
This ANAPC5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 156-185 amino acids from the Central region of human ANAPC5.

Dilution
WB~~1:1000
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
ANAPC5 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

ANAPC5 Antibody (Center) - Protein Information

Name ANAPC5

Synonyms APC5

Function Component of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated E3 ubiquitin ligase that controls progression through mitosis and the G1 phase of the cell cycle. The APC/C complex acts by mediating ubiquitination and subsequent degradation of target proteins: it mainly mediates the formation of 'Lys-11'-linked polyubiquitin chains and, to a lower extent, the formation of 'Lys-48'- and 'Lys-63'-linked polyubiquitin chains.

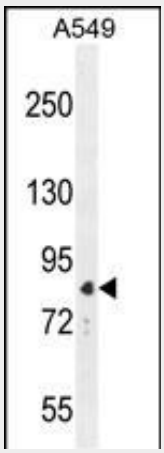
Cellular Location
Nucleus. Cytoplasm, cytoskeleton, spindle

ANAPC5 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

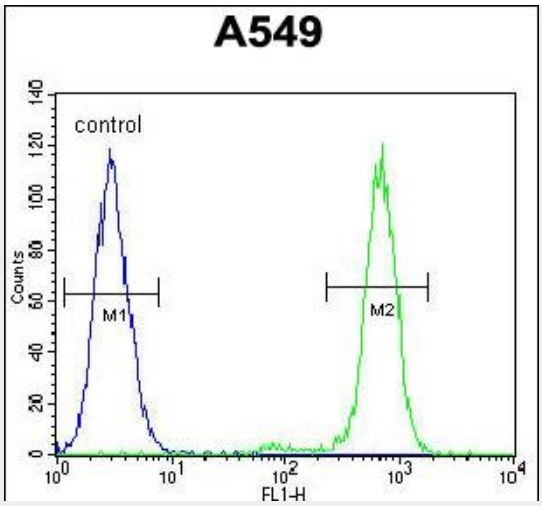
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ANAPC5 Antibody (Center) - Images



ANAPC5 Antibody (Center) (Cat. #AP10974c) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the ANAPC5 antibody detected the ANAPC5 protein (arrow).

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ANAPC5 Antibody (Center) (Cat. #AP10974c) flow cytometric analysis of A549 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ANAPC5 Antibody (Center) - Background

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.

ANAPC5 Antibody (Center) - References

Wasch, R., et al. Oncogene 29(1):1-10(2010)
Jin, L., et al. Cell 133(4):653-665(2008)
Liu, J., et al. Cancer Biol. Ther. 5(7):760-762(2006)
Dube, P., et al. Mol. Cell 20(6):867-879(2005)
Turnell, A.S., et al. Nature 438(7068):690-695(2005)