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ANAPC4 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17878c

Specification

ANAPC4 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q9UJX5
Other Accession	NP_037499.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**92116**
Antigen Region	**638-664**

ANAPC4 Antibody (Center) - Additional Information

Gene ID 29945

Other Names
Anaphase-promoting complex subunit 4, APC4, Cyclosome subunit 4, ANAPC4, APC4

Target/Specificity
This ANAPC4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 638-664 amino acids from the Central region of human ANAPC4.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

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
ANAPC4 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

ANAPC4 Antibody (Center) - Protein Information

Name ANAPC4

Synonyms APC4

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 (PubMed:18485873). 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 (PubMed:18485873). The APC/C complex catalyzes assembly of branched 'Lys-11'-/'Lys-48'-linked branched ubiquitin chains on target proteins (PubMed:29033132).

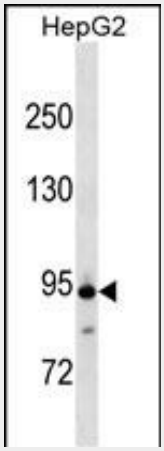
Cellular Location
Nucleus.

ANAPC4 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

ANAPC4 Antibody (Center) - Images



ANAPC4 Antibody (Center) (Cat. #AP17878c) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the ANAPC4 antibody detected the ANAPC4 protein (arrow).

ANAPC4 Antibody (Center) - Background

A large protein complex, termed the anaphase-promoting complex (APC), or the cyclosome, promotes metaphase-anaphase transition by ubiquitinating its specific substrates such as mitotic cyclins and anaphase inhibitor, which are subsequently degraded by the 26S proteasome. Biochemical studies have shown that the vertebrate APC contains eight subunits. The composition of the APC is highly conserved in organisms from yeast to humans. The exact function of this gene product is not known. [provided by RefSeq].

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ANAPC4 Antibody (Center) - References

Wasch, R., et al. Oncogene 29(1):1-10(2010)
Jin, L., et al. Cell 133(4):653-665(2008)
Nature 447(7145):661-678(2007)
Dube, P., et al. Mol. Cell 20(6):867-879(2005)
Listovsky, T., et al. EMBO J. 23(7):1619-1626(2004)