

ANAPC7 / APC7 Antibody (C-Terminus)

Rabbit Polyclonal Antibody Catalog # ALS13568

Specification

ANAPC7 / APC7 Antibody (C-Terminus) - Product Information

Application IF, WB, IHC Primary Accession Q9UJX3

Reactivity Human, Mouse, Rat

Host Rabbit
Clonality Polyclonal
Calculated MW 67kDa KDa

ANAPC7 / APC7 Antibody (C-Terminus) - Additional Information

Other Names

Anaphase-promoting complex subunit 7, APC7, Cyclosome subunit 7, ANAPC7, APC7

Target/Specificity

Human ANAPC7

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

ANAPC7 / APC7 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

ANAPC7 / APC7 Antibody (C-Terminus) - Protein Information

Name ANAPC7 (HGNC:17380)

Synonyms APC7

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 (PubMed:18485873/a>). APC7 is not required for the assembly of the APC/C complex, but has an enzyme-substrate adapter activity mediating the processive ubiquitination of specific substrates (PubMed:34942119/a>). Involved in brain development through the specific ubiquitination and clearance of MKI67 from constitutive heterochromatin after neuronal progenitors exit mitosis (PubMed:34942119/a>).



Cellular Location

Cytoplasm, cytoskeleton. Nucleus Cytoplasm, cytoskeleton, spindle Note=Localizes to spindle during metaphase and to cytoplasmic microtubules during interphase.

ANAPC7 / APC7 Antibody (C-Terminus) - Protocols

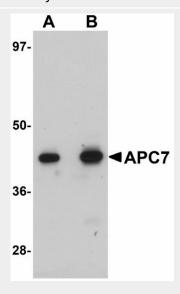
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

ANAPC7 / APC7 Antibody (C-Terminus) - Images

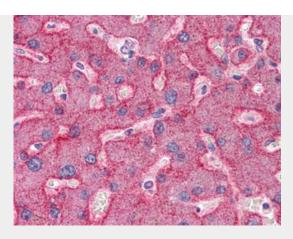


Immunofluorescence of APC7 in rat kidney tissue with APC7 antibody at 20 ug/ml.



Western blot of APC7 in rat kidney tissue lysate with APC7 antibody at (A) 1 and (B) 2 ug/ml.





Anti-ANAPC7 / APC7 antibody IHC of human liver.

ANAPC7 / APC7 Antibody (C-Terminus) - Background

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ANAPC7 / APC7 Antibody (C-Terminus) - References

Yu H.,et al.Science 279:1219-1222(1998).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Jin L.,et al.Cell 133:653-665(2008).
Dephoure N.,et al.Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).
Choudhary C.,et al.Science 325:834-840(2009).