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Anti-APC10 (RABBIT) Antibody
APC10 Antibody
Catalog # ASR5192

Specification

Anti-APC10 (RABBIT) Antibody - Product Information

Host	**Rabbit**
Conjugate	**Unconjugated**
Target Species	**Human**
Reactivity	**Human**
Clonality	**Polyclonal**
Application	**WB, IHC, E, IP, I, LCI**
Application Note	**This affinity purified antibody has been tested for use in ELISA against the immunizing peptide and by western blotting against various cell lysates. Reactivity in other immunoassays is unknown.**
Physical State	**Liquid (sterile filtered)**
Buffer	**0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2**
Immunogen	**This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to amino acids near the amino terminus of human APC10.**
Preservative	**0.01% (w/v) Sodium Azide**

Anti-APC10 (RABBIT) Antibody - Additional Information

Gene ID 10393

Other Names
10393

Purity
This is an affinity purified antibody produced by immunoaffinity chromatography using the immunizing peptide after immobilization to a solid phase.

Storage Condition
Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Precautions Note
This product is for research use only and is not intended for therapeutic or diagnostic applications.

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Anti-APC10 (RABBIT) Antibody - Protein Information

Name ANAPC10

Synonyms APC10

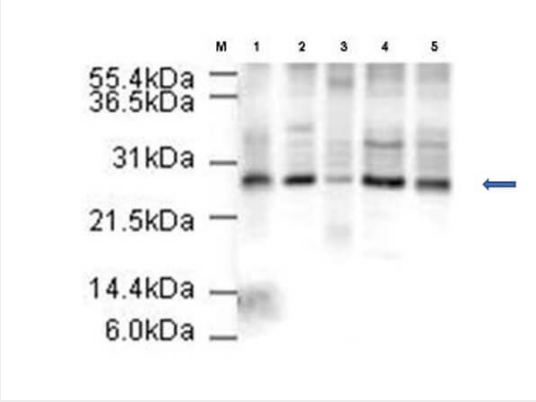
Function
Component of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated E3 ubiquitin ligase that controls progression through mitosis and the G1 phase of the cell cycle (PubMed:18485873). The APC/C complex acts by mediating ubiquitination and subsequent degradation of target proteins: 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).

Anti-APC10 (RABBIT) Antibody - 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

Anti-APC10 (RABBIT) Antibody - Images



Western Blot of Affinity Purified Rabbit anti-APC10. Lane 1: HeLa nuclear extract (p/n W09-001-367). Lane 2: HeLa whole cell lysate (p/n W09-000-364). Lane 3: A431 whole cell lysate (p/n W09-000-361). Lane 4: Jurkat whole cell lysate (p/n W09-001-370). Lane 5: 293 whole cell lysate (p/n W09-000-365). All lanes contain 20 µg of lysate or extract. Primary Antibody was used at a 1:500 dilution at room temperature for 1 h to detect human APC10 at ~26 kDa (predicted molecular weight is 21 kDa). After subsequent washing, a 1:5,000 dilution of HRP conjugated Gt-a-Rabbit IgG (p/n 611-1302) was used for visualization. Exposure time was 4 min.

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Anti-APC10 (RABBIT) Antibody - Background

APC (Anaphase-Promoting Complex or Cyclosome) is a ubiquitin ligase which specifically targets mitotic regulatory factors such as Pds1/Cut2 and cyclin B. It was found that APC10/Doc1 is localized in centrosomes and mitotic spindles throughout mitosis, while it is also localized in kinetochores from prophase to anaphase and in mid-body in telophase and cytokinesis. These results strongly support the notion that human APC10/Doc1 may be one of the APC core subunits rather than the transiently associated regulatory factor.