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KD-Validated Anti-Cell division cycle 16 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1173

Specification

KD-Validated Anti-Cell division cycle 16 Rabbit Monoclonal Antibody - Product Information

Application	**WB, FC, ICC**
Primary Accession	Q13042
Reactivity	**Rat, Human, Mouse**
Clonality	**Monoclonal**
Isotype	**Rabbit IgG**
Calculated MW	**Predicted, 72 kDa , observed, 71 kDa KDa**
Gene Name	**CDC16**
Aliases	**CDC16; Cell Division Cycle 16; ANAPC6; APC6; CUT9; Cell Division Cycle Protein 16 Homolog; Anaphase-Promoting Complex, Subunit 6; Cyclosome Subunit 6; CDC16Hs; CDC16 (Cell Division Cycle 16, S. Cerevisiae, Homolog); CDC16 Cell Division Cycle 16 Homolog (S. Cerevisiae); Cell Division Cycle 16 Homolog (S. Cerevisiae); Anaphase-Promoting Complex Subunit 6; Cell Division Cycle 16 Homolog; CDC16 Homolog**
Immunogen	**A synthesized peptide derived from human Apc6 / CDC16**

KD-Validated Anti-Cell division cycle 16 Rabbit Monoclonal Antibody - Additional Information

Gene ID	**8881**

Other Names
Cell division cycle protein 16 homolog, Anaphase-promoting complex subunit 6, APC6, CDC16 homolog, CDC16Hs, Cyclosome subunit 6, CDC16, ANAPC6

KD-Validated Anti-Cell division cycle 16 Rabbit Monoclonal Antibody - Protein Information

Name CDC16

Synonyms ANAPC6

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).

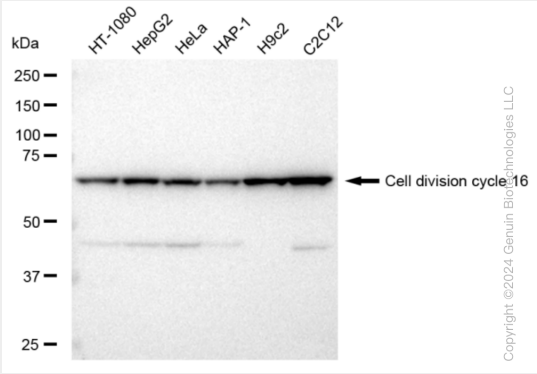
Cellular Location
Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, spindle. Note=Colocalizes with CDC27 to the centrosome at all stages of the cell cycle and to the mitotic spindle.

KD-Validated Anti-Cell division cycle 16 Rabbit Monoclonal Antibody - Protocols

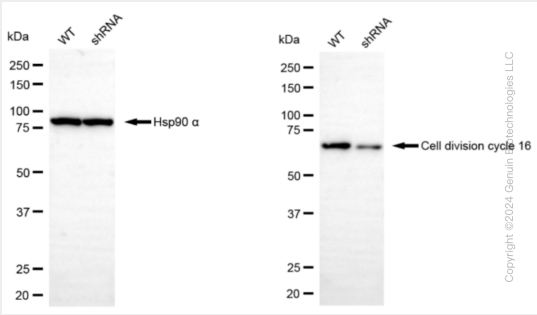
Provided below are standard protocols that you may find useful for product applications.

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

KD-Validated Anti-Cell division cycle 16 Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-Cell division cycle 16 antibody (Cat#AGI1173). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Cell division cycle 16 antibody (Cat#AGI1173, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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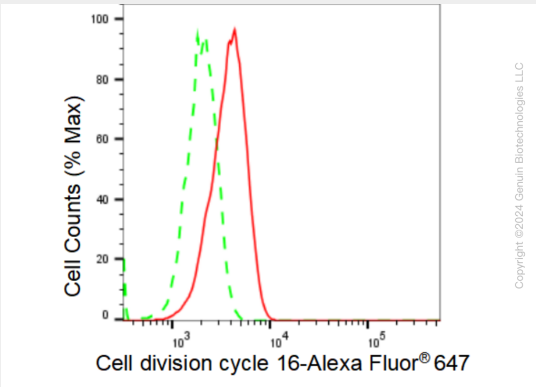
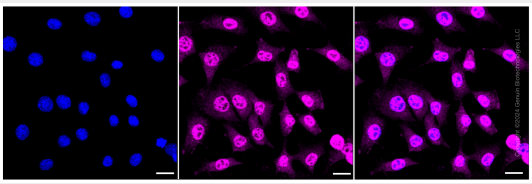
Western blotting analysis using anti-Cell division cycle 16 antibody (Cat#AGI1173). Cell division cycle 16 expression in wild type (WT) and Cell division cycle 16 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-Cell division cycle 16 antibody (Cat#AGI1173, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of Cell division cycle 16 expression in C2C12 cells using Cell division cycle 16 antibody (Cat#AGI1173, 1:2,000). Green, isotype control; red, Cell division cycle 16.



Immunocytochemical staining of C2C12 cells with Cell division cycle 16 antibody (Cat#AGI1173, 1:1,000). Nuclei were stained blue with DAPI; Cell division cycle 16 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.