

KD-Validated Anti-CDC16 Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI1185**Specification****KD-Validated Anti-CDC16 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, 72 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 Cdc16/APC6

KD-Validated Anti-CDC16 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-CDC16 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

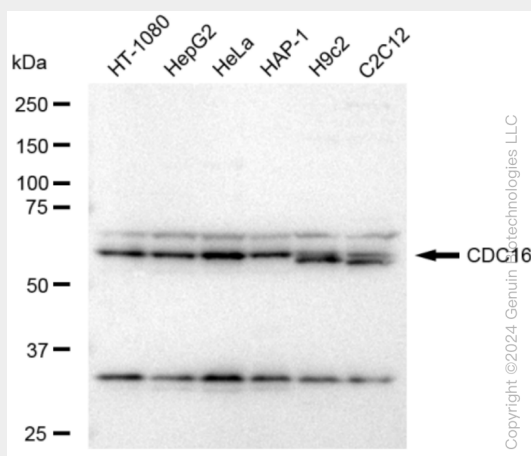
Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, spindle. Note=Colocalizes with CDC27 to the centrosome at all stages of the cell cycle and to the mitotic spindle.

KD-Validated Anti-CDC16 Rabbit Monoclonal Antibody - Protocols

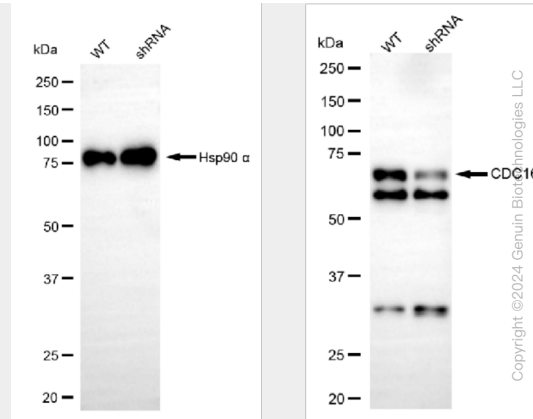
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

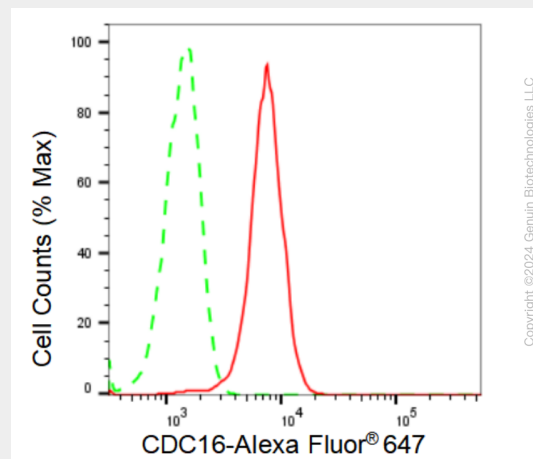
KD-Validated Anti-CDC16 Rabbit Monoclonal Antibody - Images



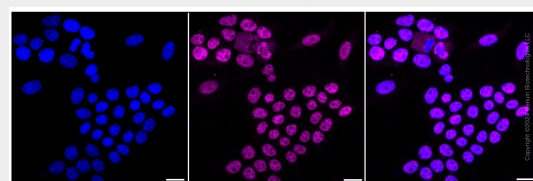
Western blotting analysis using anti-CDC16 antibody (Cat#AGI1185). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-CDC16 antibody (Cat#AGI1185, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-CDC16 antibody (Cat#AGI1185). CDC16 expression in wild type (WT) and CDC16 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-CDC16 antibody (Cat#AGI1185, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of CDC16 expression in HeLa cells using CDC16 antibody (Cat#AGI1185, 1:2,000). Green, isotype control; red, CDC16.



Immunocytochemical staining of HeLa cells with CDC16 antibody (Cat#AGI1185, 1:1,000). Nuclei were stained blue with DAPI; CDC16 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.