
Product Name: KD-Validated Cell Division Cycle 16 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01617**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 71.7kDa

Antigen Information

Gene Name	CDC16 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
Alternative Names	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
Gene ID	8881.0
SwissProt ID	Q13042
Immunogen	A synthesized peptide derived from human Apc6 / CDC16

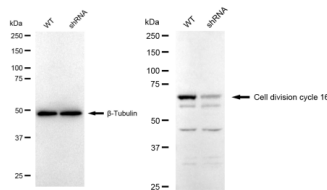
Background

The protein encoded by this gene functions as a protein ubiquitin ligase and is a component of the multiprotein APC complex. The APC complex is a cyclin degradation system that governs exit from mitosis by targeting cell cycle proteins for degradation by the 26S proteasome. Each component protein of the APC complex is highly conserved among eukaryotic organisms. This protein, and other APC complex proteins, contain a tetratricopeptide repeat (TPR) domain; a protein domain that is often involved in protein-protein interactions and the assembly of multiprotein complexes. Multiple alternatively spliced transcript variants, encoding distinct proteins, have been identified. [provided by RefSeq, Jan 2016]

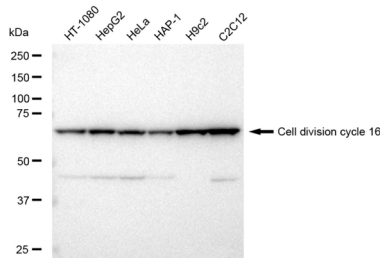
Research Area

Cell Biology

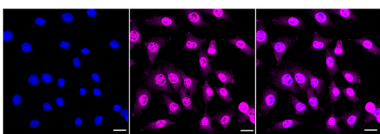
Image Data



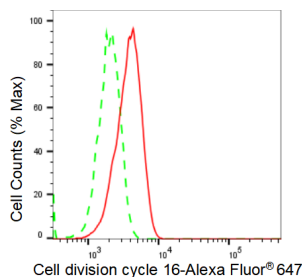
Western blotting analysis using Cell division cycle 16 antibody (KVA01617). Cell division cycle 16 expression in wild type (WT) and Cell division cycle 16 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with Cell division cycle 16 antibody (KVA01617, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using Cell division cycle 16 antibody (KVA01617). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Cell division cycle 16 antibody (KVA01617, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of C2C12 cells with Cell division cycle 16 antibody (KVA01617, 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.



Flow cytometric analysis of Cell division cycle 16 expression in C2C12 cells using Cell division cycle 16 antibody (KVA01617, 1:2,000). Green, isotype control; red, Cell division cycle 16.