

Product Name: KD-Validated CDC23 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01598**

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: 68.8kDa

Antigen Information

Gene Name	CDC23
Alternative Names	CDC23; Cell Division Cycle 23; ANAPC8; APC8; CUT23; Cell Division Cycle Protein 23 Homolog; Anaphase-Promoting Complex Subunit 8; Cyclosome Subunit 8; CDC23 (Cell Division Cycle 23, Yeast, Homolog); Cell Division Cycle 23 Homolog (S. Cerevisiae); Anaphase Promoting Complex Subunit 8; Cell Division Cycle 23 Homolog
Gene ID	8697.0
SwissProt ID	Q9UJX2
Immunogen	A synthesized peptide derived from human Cdc23/APC8

Background

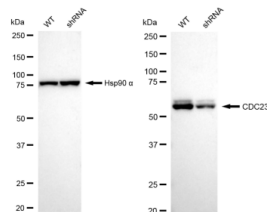
The protein encoded by this gene shares strong similarity with *Saccharomyces cerevisiae* Cdc23, a protein essential for cell

cycle progression through the G2/M transition. This protein is a component of anaphase-promoting complex (APC), which is composed of eight protein subunits and highly conserved in eukaryotic cells. APC catalyzes the formation of cyclin B-ubiquitin conjugate that is responsible for the ubiquitin-mediated proteolysis of B-type cyclins. This protein and 3 other members of the APC complex contain the TPR (tetratricopeptide repeat), a protein domain important for protein-protein interaction. [provided by RefSeq, Jul 2008]

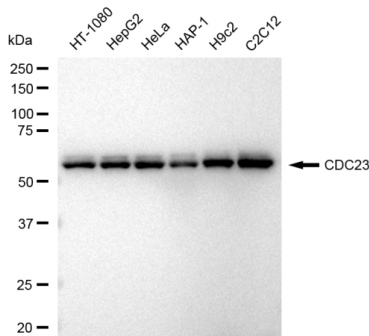
Research Area

Cell Biology,Cancer

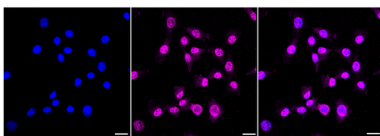
Image Data



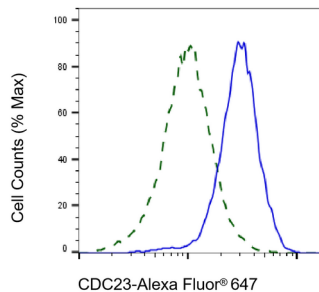
Western blotting analysis using CDC23 antibody (KVA01598). CDC23 expression in wild type (WT) and CDC23 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with CDC23 antibody (KVA01598, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



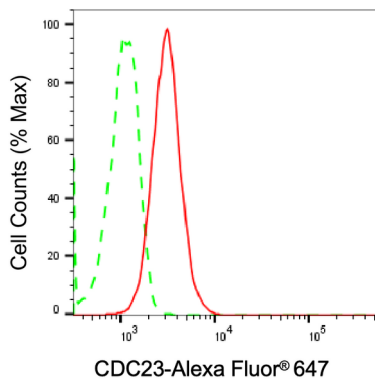
Western blotting analysis using CDC23 antibody (KVA01598). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with CDC23 antibody (KVA01598, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of C2C12 cells with CDC23 antibody (KVA01598, 1:1,000). Nuclei were stained blue with DAPI; CDC23 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.



Validation of CDC23 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with CDC23 antibody (KVA01598, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of CDC23 expression in C2C12 cells using CDC23 antibody (KVA01598, 1:2,000). Green, isotype control; red, CDC23.