10320 Camino Santa Fe, Suite G
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KD-Validated Anti-CDC23 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1187

Specification

KD-Validated Anti-CDC23 Rabbit Monoclonal Antibody - Product Information

Application	**WB, ICC**
Primary Accession	Q9UJX2
Reactivity	**Rat, Human, Mouse**
Clonality	**Monoclonal**
Isotype	**Rabbit IgG**
Calculated MW	**Predicted, 69 kDa , observed, 64 kDa KDa**
Gene Name	**CDC23**
Aliases	**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**
Immunogen	**A synthesized peptide derived from human Cdc23/APC8**

KD-Validated Anti-CDC23 Rabbit Monoclonal Antibody - Additional Information

Gene ID	**8697**

Other Names
Cell division cycle protein 23 homolog, Anaphase-promoting complex subunit 8, APC8, Cyclosome subunit 8, CDC23, ANAPC8

KD-Validated Anti-CDC23 Rabbit Monoclonal Antibody - Protein Information

Name CDC23

Synonyms ANAPC8

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).

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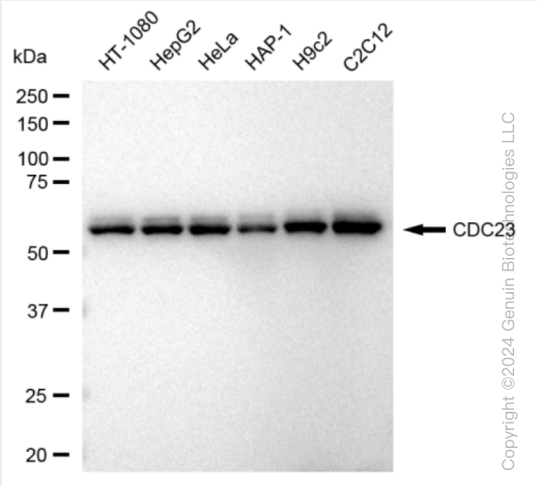
KD-Validated Anti-CDC23 Rabbit Monoclonal Antibody - Protocols

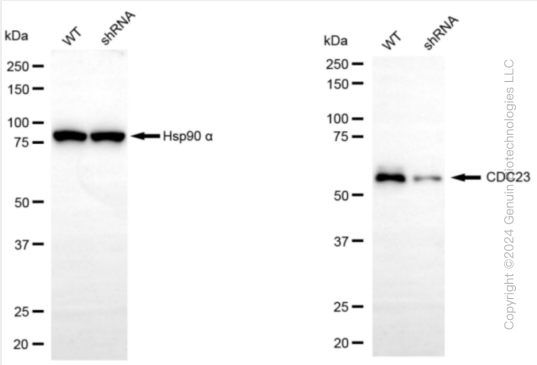
Provided below are standard protocols that you may find useful for product applications.

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

KD-Validated Anti-CDC23 Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-CDC23 antibody (Cat#AGI1187). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-CDC23 antibody (Cat#AGI1187, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-CDC23 antibody (Cat#AGI1187). 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 anti-CDC23 antibody (Cat#AGI1187, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

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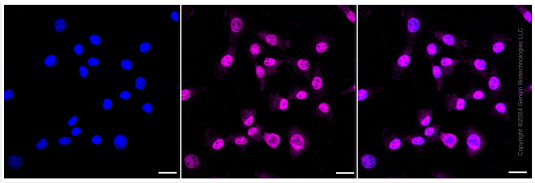

Immunocytochemical staining of C2C12 cells with CDC23 antibody (Cat#AGI1187, 1:1,000). Nuclei were stained blue with DAPI; CDC23 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.