Product Datasheet

CDC23 Rabbit mAb

Catalog No: #49199

Package Size: #49199-1 50ul #49199-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

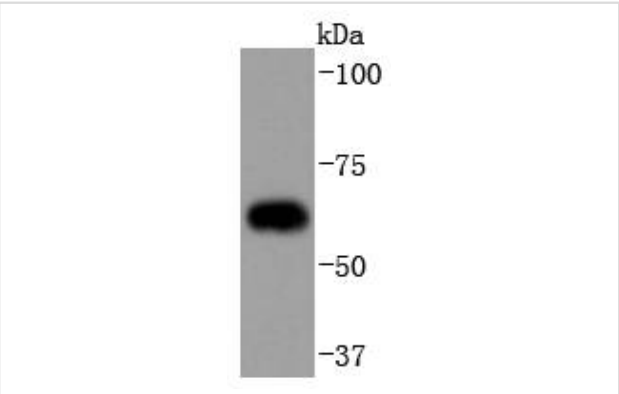
Description

Product Name	CDC23 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SD08-60
Purification	ProA affinity purified
Applications	WB, ICC/IF
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	ANAPC8 antibody Anaphase promoting complex subunit 8 antibody Anaphase-promoting complex subunit 8 antibody Apc 8 antibody APC8 antibody Cdc 23 antibody CDC23 antibody CDC23_HUMAN antibody cell division cycle 23 antibody Cell division cycle 23 homolog antibody Cell division cycle protein 23 antibody Cell division cycle protein 23 homolog antibody Cut23 antibody Cyclosome subunit 8 antibody
Accession No.	Swiss-Prot#:Q9UJX2
Uniprot	Q9UJX2
GeneID	8697;
Calculated MW	69 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

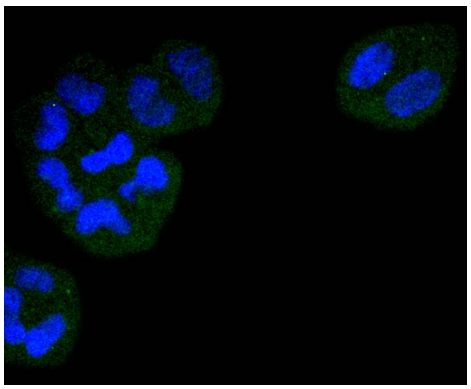
Application Details

WB: 1:1,000-1:2,000 ICC: 1:50-1:200

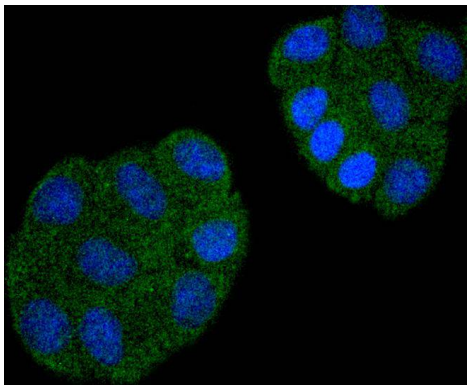
Images



Western blot analysis of Cdc23 on Hela cells lysates using anti-Cdc23 antibody at 1/1,000 dilution.



ICC staining Cdc23 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Cdc23 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

Cell cycle progression is controlled at a point late in G1 designated Start. Passage through Start requires the activity of the cyclin-dependent protein kinase Cdc28. Transition from G1 to S phase requires the association of Cdc28 with members of the G1 cyclin family. Exit from mitosis and initiation of the next cell cycle requires a complex of proteins designated the anaphase-promoting complex (APC). This complex consists of two proteins, Cdc16 and Cdc27 (also referred to as Snb1), which are involved in limiting DNA replication to once per cell cycle. Cdc23, another component of the APC, is required for both entering and exiting anaphase, and is important for the proper separation of sister chromatids. The APC is thought to be stabilized by Cdc26 (also known as Scd26). In addition to these APC proteins, Cdc5 is also required for completion of mitosis. In contrast, Cdc20 acts as a DNA-damage induced checkpoint, preventing mitosis when DNA damage has occurred.

References

Note: This product is for in vitro research use only