
Product Name: KD-Validated CDCA8 Mouse Monoclonal Antibody**Catalog #: KVA00648**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse 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: 31.3kDa

Antigen Information

Gene Name	CDCA8 CDCA8; Cell Division Cycle Associated 8; Borealin; MESRGP; DasraB; BOR; Pluripotent
Alternative Names	Embryonic Stem Cell-Related Gene 3 Protein; Cell Division Cycle-Associated Protein 8; FLJ12042; HDasra-B; Dasra-B; Dasra B; PESCRG3
Gene ID	55143.0
SwissProt ID	Q53HL2
Immunogen	Recombinant protein of human CDCA8

Background

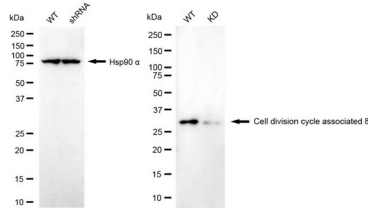
This gene encodes a component of the chromosomal passenger complex. This complex is an essential regulator of mitosis and cell division. This protein is cell-cycle regulated and is required for chromatin-induced microtubule stabilization and spindle

formation. Alternate splicing results in multiple transcript variants. Pseudogenes of this gene are found on chromosomes 7, 8 and 16. [provided by RefSeq, Apr 2013]

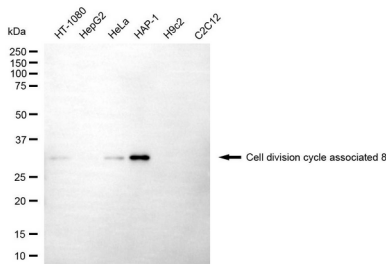
Research Area

Cell Biology, Epigenetics and Nuclear Signaling

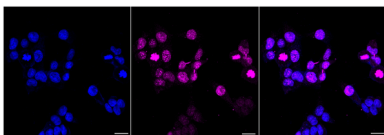
Image Data



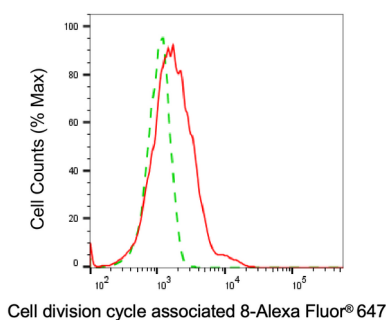
Western blotting analysis using cell division cycle associated 8 antibody (KVA00648). cell division cycle associated 8 expression in wild type (WT) and cell division cycle associated 8 (CDCA8) knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with cell division cycle associated 8 antibody (KVA00648, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using cell division cycle associated 8 antibody (KVA00648). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with cell division cycle associated 8 antibody (KVA00648, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of HAP-1 cells with Cell division cycle associated 8 antibody (KVA00648, 1:1,000). Nuclei were stained blue with DAPI; Cell division cycle associated 8 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 associated 8 expression in HAP-1 cells using Cell division cycle associated 8 antibody (KVA00648, 1:2,000). Green, isotype control; red, Cell division cycle associated 8.