

Product Name: KD-Validated Cell Division Cycle 123 Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA00746

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human
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: 39.1kDa

Antigen Information

Gene Name	CDC123 CDC123; Cell Division Cycle 123; D123; Cell Division Cycle Protein 123 Homolog; C10orf7;
Alternative Names	HT-1080; PZ32; Cell Division Cycle 123 Homolog (S. Cerevisiae); Chromosome 10 Open Reading Frame 7; Cell Division Cycle 123 Homolog; Protein D123; C10ORF7
Gene ID	8872.0
SwissProt ID	O75794
Immunogen	A synthesized peptide derived from human CDC123

Background

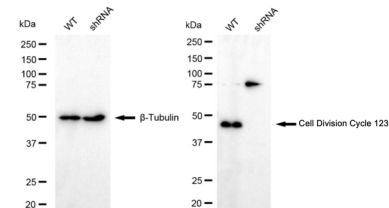
Enables ATP binding activity and magnesium ion binding activity. Involved in eukaryotic translation initiation factor 2 complex

assembly. Located in cytoplasm. [provided by Alliance of Genome Resources, Jul 2025]

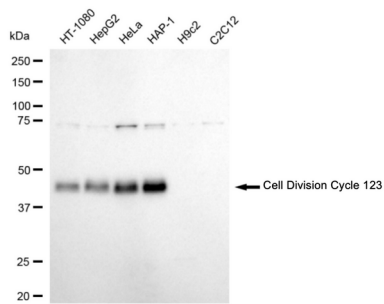
Research Area

Cell Biology

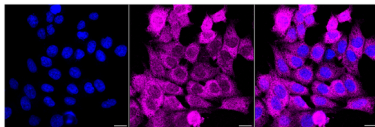
Image Data



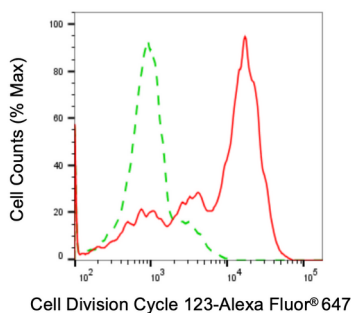
Western blotting analysis using cell division cycle 123 antibody (KVA00746). Cell division cycle 123 expression in wild-type (WT) and cell division cycle 123 (CDC123) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with cell division cycle 123 antibody (KVA00746, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using cell division cycle 123 antibody (KVA00746). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with cell division cycle 123 antibody (KVA00746, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HAP1 cells with cell division cycle 123 antibody (KVA00746, 1:1,000). Nuclei were stained blue with DAPI; Cell division cycle 123 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 123 expression in HAP-1 cells using cell division cycle 123 antibody (KVA00746, 1:2,000). Green, isotype control; red, Cell Division Cycle 123.