

Product Name: KD-Validated CWC27 Mouse Monoclonal Antibody**Catalog #: KVA00555**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
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 1:500-1:2,500; FC 1:100-1:1,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 53.8kDa

Antigen Information

Gene Name	CWC27 CWC27; CWC27 Spliceosome Associated Cyclophilin; Serologically Defined Colon Cancer Antigen 10; SDCCAG-10; NY-CO-10; SDCCAG10; Probable Inactive Peptidyl-Prolyl Cis-Trans Isomerase CWC27 Homolog; CWC27 Spliceosome Associated Protein Homolog;
Alternative Names	Spliceosome-Associated Protein CWC27 Homolog; Antigen NY-CO-10; PPlase CWC27; CWC27 Spliceosome-Associated Protein Homolog (S. Cerevisiae); Peptidyl-Prolyl Cis-Trans Isomerase CWC27 Homolog; CWC27 Spliceosome-Associated Protein Homolog; Peptidyl-Prolyl Cis-Trans Isomerase SDCCAG10; PPlase SDCCAG10; RPSKA
Gene ID	10283.0
SwissProt ID	Q6UX04
Immunogen	Recombinant protein of human CWC27

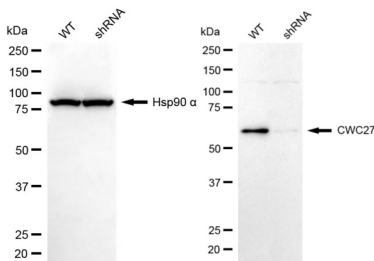
Background

Predicted to enable peptidyl-prolyl cis-trans isomerase activity. Predicted to be involved in protein folding. Located in nucleoplasm. Part of U2-type precatalytic spliceosome and catalytic step 2 spliceosome. [provided by Alliance of Genome Resources, Jul 2025]

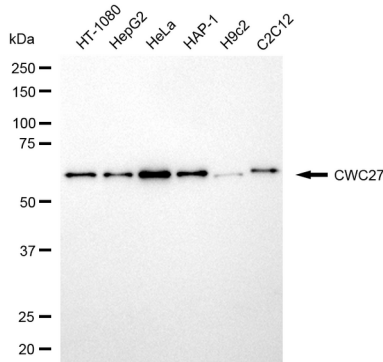
Research Area

Cell Biology

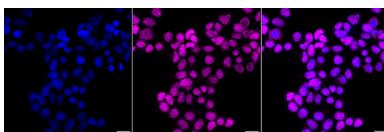
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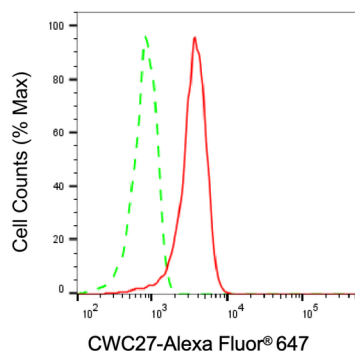
Western blotting analysis using CWC27 antibody (KVA00555). CWC27 expression in wild-type (WT) and CWC27 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with CWC27 antibody (KVA00555, 1:1,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using CWC27 antibody (KVA00555). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with CWC27 antibody (KVA00555, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with CWC27 antibody (KVA00555, 1:1,000). Nuclei were stained blue with DAPI; CWC27 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 CWC27 expression in HeLa cells using CWC27 antibody (KVA00555, 1:1,000). Green, isotype control; red, CWC27.