

Product Name: KD-Validated CDC25C Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01601**

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: 53.4kDa

Antigen Information

Gene Name	CDC25C
Alternative Names	CDC25C; Cell Division Cycle 25C; M-Phase Inducer Phosphatase 3; PPP1R60; Protein Phosphatase 1, Regulatory Subunit 60; EC 3.1.3.48; CDC25; Dual Specificity Phosphatase CDC25C; Dual Specificity Phosphatase Cdc25C; Phosphotyrosine Phosphatase; CDC25 Homolog C (S. Pombe); Mitosis Inducer CDC25; CDC25 Homolog C
Gene ID	995.0
SwissProt ID	P30307
Immunogen	A synthesized peptide derived from human Cdc25C

Background

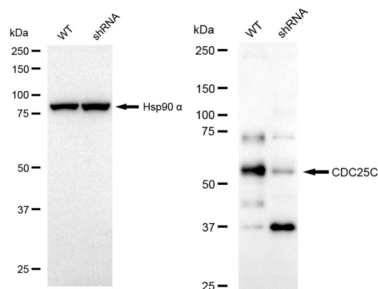
This gene encodes a conserved protein that plays a key role in the regulation of cell division. The encoded protein directs

dephosphorylation of cyclin B-bound CDC2 and triggers entry into mitosis. It also suppresses p53-induced growth arrest. Multiple alternatively spliced transcript variants of this gene have been described. [provided by RefSeq, Dec 2015]

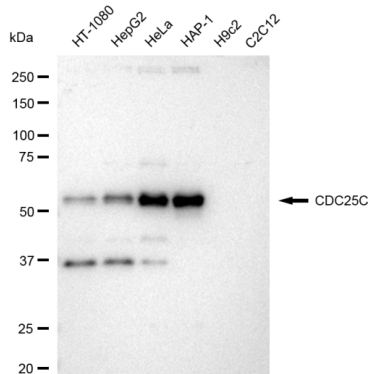
Research Area

Cell Biology, Epigenetics and Nuclear Signaling

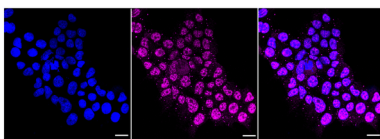
Image Data



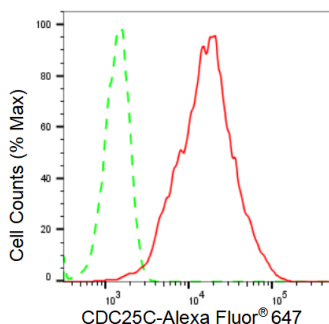
Western blotting analysis using CDC25C antibody (KVA01601). CDC25C expression in wild type (WT) and CDC25C shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with CDC25C antibody (KVA01601, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using CDC25C antibody (KVA01601). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with CDC25C antibody (KVA01601, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells with CDC25C antibody (KVA01601, 1:1,000). Nuclei were stained blue with DAPI; CDC25C 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 CDC25C expression in HeLa cells using CDC25C antibody (KVA01601, 1:2,000). Green, isotype control; red, CDC25C.