
Product Name: KD-Validated CDC34 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01271**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
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: 26.7kDa

Antigen Information

Gene Name	CDC34 CDC34; Cell Division Cycle 34, Ubiquitin Conjugating Enzyme; UBE2R1; E2-CDC34; UBC3; (E3-Independent) E2 Ubiquitin-Conjugating Enzyme R1; Ubiquitin-Conjugating Enzyme E2-CDC34; Ubiquitin-Conjugating Enzyme E2 R1; E2 Ubiquitin-Conjugating Enzyme R1;
Alternative Names	Ubiquitin-Protein Ligase R1; UBCH3; Ubiquitin-Conjugating Enzyme E2-32 KDa Complementing; Ubiquitin-Conjugating Enzyme E2-32 KDa Complementing; Ubiquitin Conjugating Enzyme E2 R1; Cell Division Cycle 34 Homolog; Ubiquitin Carrier Protein; EC 2.3.2.23; EC 2.3.2.24; EC 6.3.2.19
Gene ID	997.0
SwissProt ID	P49427
Immunogen	Recombinant protein of human Cdc34

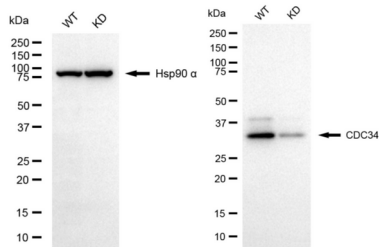
Background

The protein encoded by this gene is a member of the ubiquitin-conjugating enzyme family. Ubiquitin-conjugating enzyme catalyzes the covalent attachment of ubiquitin to other proteins. This protein is a part of the large multiprotein complex, which is required for ubiquitin-mediated degradation of cell cycle G1 regulators, and for the initiation of DNA replication. [provided by RefSeq, Jul 2008]

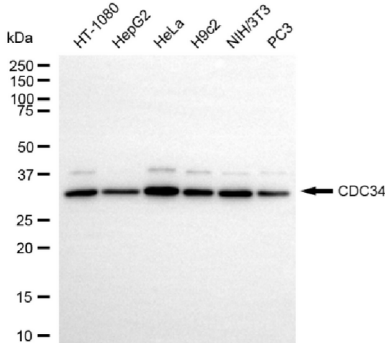
Research Area

Epigenetics and Nuclear Signaling

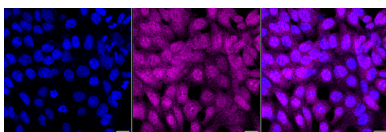
Image Data



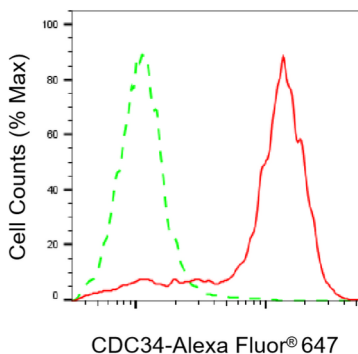
Western blotting analysis using CDC34 antibody (KVA01271). CDC34 expression in wild-type (WT) and CDC34 knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with CDC34 antibody (KVA01271, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using CDC34 antibody (KVA01271). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with CDC34 antibody (KVA01271, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HAP-1 cells with CDC34 antibody (KVA01271, 1:1,000). Nuclei were stained blue with DAPI; CDC34 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 CDC34 expression in HAP-1 cells using CDC34 antibody (KVA01271, 1:2,000). Green, isotype control; red, CDC34.