

Product Name: KD-Validated CDC73 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01572**

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: 60.6kDa

Antigen Information

Gene Name	CDC73
Alternative Names	CDC73; Cell Division Cycle 73; Parafibromin; HRPT2; FIHP; Paf1/RNA Polymerase II Complex Component; Cell Division Cycle Protein 73 Homolog; Familial Isolated Hyperparathyroidism; Hyperparathyroidism 2 Protein; C1orf28; HRPT1; Cell Division Cycle 73, Paf1/RNA Polymerase II Complex Component, Homolog (S. Cerevisiae); Cell Division Cycle 73 Paf1/RNA Polymerase II Complex Component-Like Protein; Cell Division Cycle 73, Paf1/RNA Polymerase II Complex Component, Homolog; Hyperparathyroidism 2 (With Jaw Tumor); Chromosome 1 Open Reading Frame 28; Hyperparathyroidism 1; PARAFIBROMIN; C1ORF28; HPTJT; HXX
Gene ID	79577.0
SwissProt ID	Q6P1J9

Immunogen

A synthesized peptide derived from human HRPT2 / CDC73

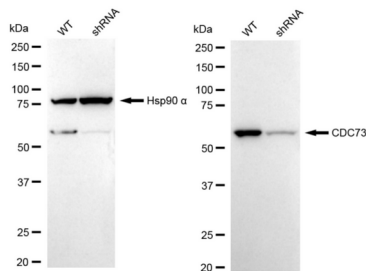
Background

This gene encodes a tumor suppressor that is involved in transcriptional and post-transcriptional control pathways. The protein is a component of the PAF protein complex, which associates with the RNA polymerase II subunit POLR2A and with a histone methyltransferase complex. This protein appears to facilitate the association of 3' mRNA processing factors with actively-transcribed chromatin. Mutations in this gene have been linked to hyperparathyroidism-jaw tumor syndrome, familial isolated hyperparathyroidism, and parathyroid carcinoma. [provided by RefSeq, Jul 2009]

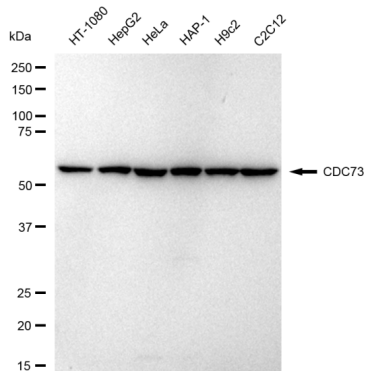
Research Area

Epigenetics and Nuclear Signaling

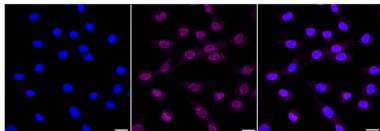
Image Data



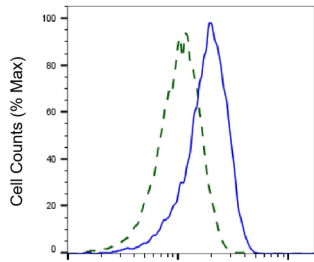
Western blotting analysis using CDC73 antibody (KVA01572). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with CDC73 antibody (KVA01572, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of C2C12 cells with CDC73 antibody (KVA01572, 1:1,000). Nuclei were stained blue with DAPI; CDC73 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Low. Scale bar: 20 µm.

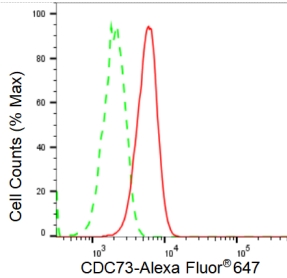


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Catenin delta 1 / CTNND1-Alexa Fluor® 647

Validation of CDC73 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with CDC73 antibody (KVA01572, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of CDC73 expression in C2C12 cells using CDC73 antibody (KVA01572, 1:2,000). Green, isotype control; red, CDC73.