

Product Name: KD-Validated Coilin Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01659**

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: 62.6kDa

Antigen Information

Gene Name	COIL
Alternative Names	COIL; Coilin; CLN80; P80-Coilin; Coilin P80; P80-COILIN; P80
Gene ID	8161.0
SwissProt ID	P38432
Immunogen	A synthesized peptide derived from human Coilin

Background

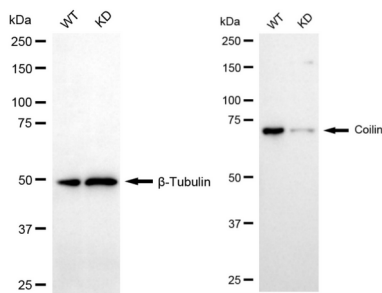
The protein encoded by this gene is an integral component of Cajal bodies (also called coiled bodies). Cajal bodies are nuclear suborganelles of varying number and composition that are involved in the post-transcriptional modification of small nuclear and small nucleolar RNAs. The N-terminus of the coilin protein directs its self-oligomerization while the C-terminus influences the number of nuclear bodies assembled per cell. Differential methylation and phosphorylation of coilin likely influences its

localization among nuclear bodies and the composition and assembly of Cajal bodies. This gene has pseudogenes on chromosome 4 and chromosome 14. [provided by RefSeq, Jul 2008]

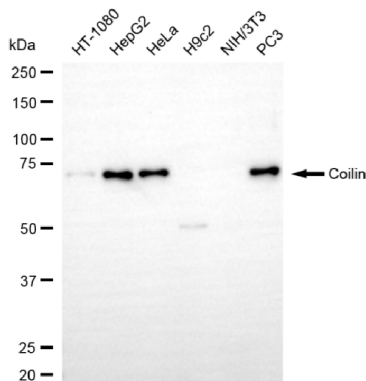
Research Area

Neuroscience, Epigenetics and Nuclear Signaling, Tags & Cell Markers

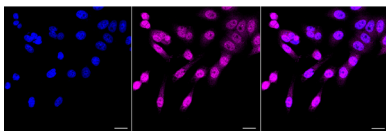
Image Data



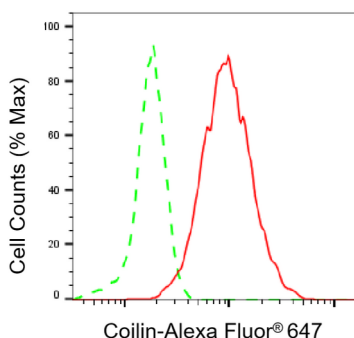
Western blotting analysis using coilin antibody (KVA01659). Coilin expression in wild-type (WT) and coilin (COIL) knockdown (KD) 293T cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with coilin antibody (KVA01659, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using coilin antibody (KVA01659). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with coilin antibody (KVA01659, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with Coilin antibody (KVA01659, 1:1,000). Nuclei were stained blue with DAPI; Coilin was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: High. Scale bar, 20 µm.



Flow cytometric analysis of Coilin expression in HepG2 cells using Coilin antibody (KVA01659, 1:2,000). Green, isotype control; red, Coilin.