

COIL Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14748c**Specification**

COIL Antibody (Center) - Product Information

Application	WB,E
Primary Accession	P38432
Other Accession	NP_004636.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	62608
Antigen Region	157-186

COIL Antibody (Center) - Additional Information**Gene ID** 8161**Other Names**

Coilin, p80-coilin, COIL, CLN80

Target/Specificity

This COIL antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 157-186 amino acids from the Central region of human COIL.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

COIL Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

COIL Antibody (Center) - Protein Information**Name** COIL**Synonyms** CLN80

Function Component of nuclear coiled bodies, also known as Cajal bodies or CBs, which are involved in the modification and assembly of nucleoplasmic snRNPs.

Cellular Location

Nucleus. Nucleus, Cajal body

Tissue Location

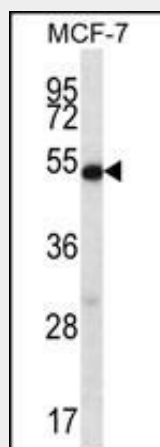
Found in all the cell types examined.

COIL Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

COIL Antibody (Center) - Images



COIL Antibody (Center) (Cat. #AP14748c) western blot analysis in MCF-7 cell line lysates (35ug/lane). This demonstrates the COIL antibody detected the COIL protein (arrow).

COIL Antibody (Center) - 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.

COIL Antibody (Center) - References

Shanbhag, R., et al. FEBS Lett. 584(20):4351-4356(2010)
Tapia, O., et al. Chromosoma 119(5):527-540(2010)
Toyota, C.G., et al. Chromosoma 119(2):205-215(2010)
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Hearst, S.M., et al. J. Cell. Sci. 122 (PT 11), 1872-1881 (2009) :