

## Product datasheet for **AP51008PU-N**

### Coilin (COIL) (Center) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	<b>ELISA:</b> 1/1000. <b>Western blot:</b> 1/100 - 1/500.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 156-186 amino acids from the Central region of human COIL
Specificity:	This antibody reacts to COIL.
Formulation:	PBS State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.09% (W/V) sodium azide
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	62608 Da
Gene Name:	coilin
Database Link:	<a href="#">Entrez Gene 8161 Human P38432</a>



[View online »](#)

**Background:**

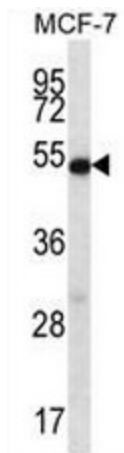
The protein encoded by this gene is an integral component of Cajal bodies (also called coiled bodies). Cajal bodies are nuclear suborganelles of varying number and composition that are involved in the post-transcriptional modification of small nuclear and small nucleolar RNAs. The N-terminus of the coilin 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.

**Synonyms:**

COIL, CLN80, p80

**Protein Families:**

Stem cell - Pluripotency

**Product images:**

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