

## Product datasheet for **TA335742**

### Coilin (COIL) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for Anti-COIL Antibody: synthetic peptide directed towards the C terminal of human COIL. Synthetic peptide located within the following region: DYSLLPLLAAAPQVGEEKIAFKLLELTSSYSPDVSDYKEGRILSHNPETQQ
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	63 kDa
Gene Name:	coilin
Database Link:	<a href="#">NP_004636</a> <a href="#">Entrez Gene 8161 Human</a> <a href="#">P38432</a>



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**Background:**

COIL 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. 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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

**Synonyms:**

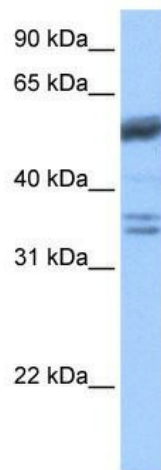
CLN80; p80-coilin

**Note:**

Immunogen Sequence Homology: Human: 100%; Bovine: 93%; Dog: 92%; Pig: 92%; Rat: 92%; Horse: 92%; Mouse: 92%; Rabbit: 92%; Guinea pig: 92%; Zebrafish: 82%

**Protein Families:**

Stem cell - Pluripotency

**Product images:**

WB Suggested Anti-COIL Antibody Titration: 0.2-1 ug/ml; Positive Control: Jurkat cell lysate