



## Rabbit Anti-Coilin antibody

SL14645R

<b>Product Name:</b>	Coilin
<b>Chinese Name:</b>	Coilin蛋白抗体
<b>Alias:</b>	CLN 80; CLN80; COIL; COIL_HUMAN; Coilin; coilin p80; p80; P80 coilin,
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	36, 63kDa
<b>Cellular localization:</b>	The nucleus
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human Coilin:421-520/576
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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]

**Function:**

Is a component of the nuclear coiled bodies (CBS) which are involved in the function or assembly/disassembly of nucleoplasmic snRNPs. During mitosis, CBS disassemble, coinciding with a mitotic-specific phosphorylation of p80 coilin.

**Subcellular Location:**

Nucleus. Nuclear coiled body located in the interchromatin space between the nucleolus and the nucleus.

**Tissue Specificity:**

Found in all the cell types examined.

**Similarity:**

Belongs to the coilin family.

**SWISS:**

P38432

**Gene ID:**

8161

**Database links:**

[Entrez Gene: 8161](#) Human

[Entrez Gene: 12812](#) Mouse

[Entrez Gene: 50998](#) Rat

[Omim: 600272](#) Human

[SwissProt: P38432](#) Human

[SwissProt: Q5SU73](#) Mouse

[Unigene: 532795](#) Human

[Unigene: 268004](#) Mouse

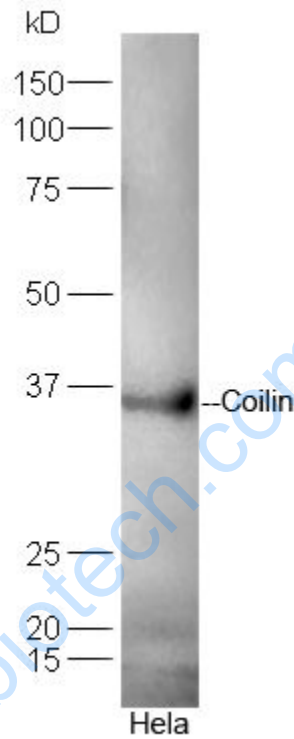
[Unigene: 203468](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

Picture:



Protein: HeLa(human) lysate at 40ug;

Primary: rabbit Anti-Coilin (SL14645R) at 1:300;

Secondary: HRP conjugated Goat-Anti-rabbit IgG(SL14645R) at 1: 5000;

Predicted band size: 36/63 kD

Observed band size: 36 kD