

## Anti-Coilin/COIL Antibody

Catalog Number: A02784-2

### About COIL

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.

### Overview

Product Name	Anti-Coilin/COIL Antibody
Reactive Species	Human
Description	Boster Bio Anti-Coilin/COIL Antibody catalog # A02784-2. Tested in WB, IHC, ICC, IF, IP, Flow Cytometry, ELISA applications. This antibody reacts with Human.
Application	ELISA, Flow Cytometry, IP, IF, IHC, ICC, WB
Clonality	Polyclonal
Formulation	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg stabilizing protein and 50% glycerol *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	12 months from date of receipt $-20^{\circ}\text{C}$ as supplied. 6 months $2$ to $8^{\circ}\text{C}$ after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P38432

### Technical Details

Immunogen	E.coli-derived human COIL recombinant protein (Position: A212-T573).
Form	Liquid
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 1:500-2000 Immunohistochemistry, 1:50-400 Immunocytochemistry/Immunofluorescence, 1:50-400

Immunoprecipitation, 1:50  
Flow Cytometry (Fixed), 1-3ug/1x10<sup>6</sup> cells  
ELISA, 1:100-1000

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### Anti-Coilin/COIL Antibody

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