

ARG41086 anti-Coilin antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes Coilin
Tested Reactivity	Hu
Predict Reactivity	Cow, Rat
Tested Application	WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Coilin
Species	Human
Immunogen	Synthetic peptide around the internal region of Human Coilin. (RLVRDNDCLRVKLE, NP_004636.1)
Conjugation	Un-conjugated
Alternate Names	Coilin; p80-coilin; CLN80

Application Instructions

Application table	Application	Dilution
	WB	1 - 3 µg/ml

Application Note
WB: Recommend incubate at RT for 1h.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

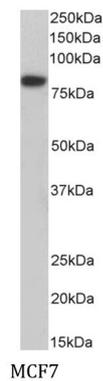
Properties

Form	Liquid
Purification	Affinity purified
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	COIL
Gene Full Name	coilin
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. [provided by RefSeq, Jul 2008]
Function	Component of nuclear coiled bodies, also known as Cajal bodies or CBs, which are involved in the modification and assembly of nucleoplasmic snRNPs. [UniProt]
Calculated Mw	63 kDa
PTM	Symmetrical dimethylation of arginine residues within the RG repeat region enhances affinity for SMN, and thus localization of SMN complexes to CBs. Phosphorylation during mitosis is associated with disassembly of CBs. [UniProt]
Cellular Localization	Nucleus. Nucleus, Cajal body. [UniProt]

Images



ARG41086 anti-Coilin antibody WB image

Western blot: 35 µg of MCF7 nuclear lysate (in RIPA buffer) stained with ARG41086 anti-Coilin antibody at 1 µg/ml dilution and incubated at RT for 1 hour.