Coilin (COIL) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Coilin (COIL), Polyclonal Antibody
Full Product Name	APC-Linked Polyclonal Antibody to Coilin (COIL)
Product Gene Name	anti-COIL antibody
Product Synonym Names	CLN80; P80-Coilin
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Concentration	>=100ug/ml (lot specific)
Matching Pairs	Unconjugated Antibody: COIL (MBS2032220) APC Conjugated Antibody: COIL (MBS2043189)
Matching Pairs	APC Conjugated Antibody: COIL (MBS2043189) Immunogen: COIL (MBS2031767)
Molecular Weight	62,608 Da
OMIM	M58411 mRNA
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Immunogen	COIL (Ser319~Glu538)
Conjugation	APC
Cross Reactivity	Human
Unconjugated Antibody	The unconjugated antibody version of this item is also available as catalog #MBS2032220
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-COIL antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC) Formalin/Paraffin, ELISA (ELISA)
Related Product Information for anti-COIL antibody	MBS2043189 is an antibody targeting COIL. Also known as APC-Linked Polyclonal Antibody to Coilin (COIL). Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-COIL antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for COIL. It may not necessarily be applicable to this product.

NCBI GI #	4758024
NCBI GeneID	8161
NCBI Accession #	NP_004636.1
UniProt Secondary Accession #	B2R931

UniProt Related Accession #	P38432
GenBank Nucleotide #	NM_004645.2
NCBI Official Full Name	coilin
NCBI Official Synonym Full Names	coilin
NCBI Official Symbol	COIL
NCBI Official Synonym Symbols	CLN80; p80-coilin
UniProt Protein Name	Coilin
UniProt Synonym Protein Names	p80-coilin
Protein Family	Coilin
UniProt Gene Name	COIL
UniProt Synonym Gene Names	CLN80
NCBI Protein Information	coilin
NCBI Summary for 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. [provided by RefSeq, Jul 2008]
UniProt Comments for COIL	coilin: an ubiquitous protein found in nuclear coiled bodies (CBS), nuclear suborganelles involved in the post-transcriptional modification of snRNPs and small nucleolar RNAs. snRNPs undergo 2'-O-methylation and pseudouridylation in CBS. Differential methylation and phosphorylation of coilin likely influences localization among nuclear bodies and the composition and assembly of CBS. Located in the interchromatin space between the nucleolus and the nucleus. Protein type: Oxidoreductase Chromosomal Location of Human Ortholog: 17q22 Cellular Component: Cajal body; membrane; nucleolus; nucleoplasm; nucleus Molecular Function: identical protein binding; protein binding; protein C-terminus binding
Research Articles on COIL	**1.** The existence of chromatolysis and eccentric nuclei in SMA motor neurons correlates with Cajal body disruption and nucleolar relocalization of coil in, a Cajal body marker.
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