

Datasheet for ABIN1886042
anti-CLP1 antibody (AA 142-341)



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Overview

Quantity:	100 µL
Target:	CLP1
Binding Specificity:	AA 142-341
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CLP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant protein fragment contain a sequence corresponding to a region within amino acids 142 and 341 of HEAB
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	CLP1
Alternative Name:	HEAB (CLP1 Products)
Background:	Polynucleotide kinase that can phosphorylate the 5'-hydroxyl groups of double-stranded RNA (dsRNA), single-stranded RNA (ssRNA), double stranded DNA (dsDNA) and double-stranded DNA:RNA hybrids.dsRNA is phosphorylated more efficiently than dsDNA, and the RNA component of a DNA:RNA hybrid is phosphorylated more efficiently than the DNA

Target Details

component. Appears to have roles in both tRNA splicing and mRNA 3'-end formation. Component of the tRNA splicing endonuclease complex. Phosphorylates the 5'-terminus of the tRNA 3'-exon during tRNA splicing, this phosphorylation event is a prerequisite for the subsequent ligation of the two exon halves and the production of a mature tRNA. Component of the pre-mRNA cleavage complex II (CF-II), which seems to be required for mRNA 3'-end formation. Also phosphorylates the 5'-terminus of exogenously introduced short interfering RNAs (siRNAs), which is a necessary prerequisite for their incorporation into the RNA-induced silencing complex (RISC). However endogenous siRNAs and microRNAs (miRNAs) that are produced by the cleavage of dsRNA precursors by DICER1 already contain a 5'-phosphate group, so this protein may be dispensable for normal RNA-mediated gene silencing.

Molecular Weight:	48 kDa
Gene ID:	10978
Pathways:	Ribonucleoprotein Complex Subunit Organization

Application Details

Application Notes:	Suggested dilutions: Immunohistochemistry: 1.100-1.250 Immunofluorescence: 1.100-1.200
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
Buffer:	0.1 M Tris-buffered saline with 20 % Glycerol (pH 7.0). 0.01 % Thimerosal was added as a preservative.
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	Biohazard Informations: This product contains thimerosal which is hazardous.
Storage:	4 °C/-20 °C
Storage Comment:	Store at -20 °C for long term preservation (recommended). Store at 4 °C for short term use.