

anti- CLP1 antibody

Product Information

Catalog No.:	FNab01770
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

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 component. Plays a key role 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(PubMed:24766809, PubMed:24766810). Its role in tRNA splicing and maturation is required for cerebellar development(PubMed:24766809, PubMed:24766810). 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.

Immunogen information

Wuhan Fine Biotech Co., Ltd.

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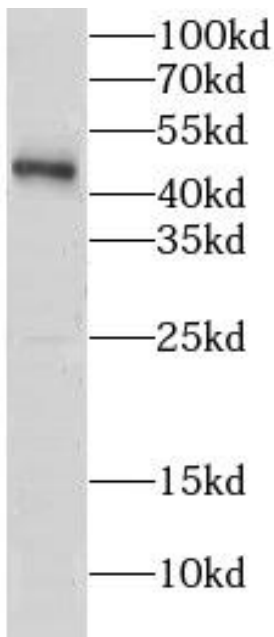
Fax: (0086)027-87800889 www.fn-test.com

Immunogen: CLP1, cleavage and polyadenylation factor I subunit, homolog(S. cerevisiae)
Synonyms: HEAB
Observed MW: 48 kDa
UniprotID : Q92989

Application

Reactivity: Human, Mouse
Tested Application: ELISA, WB
Recommended dilution: WB: 1:500-1:2000

Image:



mouse testis tissue were subjected to SDS PAGE followed by western blot with FNab01770(CLP1 antibody) at dilution of 1:600

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