



Mouse anti-Human FIP1L1 monoclonal antibody, clone 3I5 (CABT-B10271)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	FIP1L1 (AAH17724, 1 a.a. ~ 379 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	3I5
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	MSAGEVERLVSELSGGTGGDEEEEWLYGDENEVERPEEEENASANPPSGIEDETAENGVPK PKVTETEDDSDSDSDDDDDVHVTIGDIKTGAPQYGSYGTAPVNLNIKTGGRVYGTGTTGK VKGVDLDAPGSINGVPLLEVLDLSFEDKPWRKPGADLSDYFNYGFNEDTWKAYCEKQKRI RMGLEVIPVTSTTNKITAEDCTMEVTPGAEIQDGRFNLFKVQQGRTGNSEKETALPSTKA EFTSPPSLFTKGLPP
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction

This gene encodes a subunit of the CPSF (cleavage and polyadenylation specificity factor) complex that polyadenylates the 3' end of mRNA precursors. This gene, the homolog of yeast Fip1 (factor interacting with PAP), binds to U-rich sequences of pre-mRNA and stimulates poly(A) polymerase activity. Its N-terminus contains a PAP-binding site and its C-terminus an RNA-binding domain. An interstitial chromosomal deletion on 4q12 creates an in-frame fusion of human genes FIP1L1 and PDGFRA (platelet-derived growth factor receptor, alpha). The FIP1L1-PDGFRA fusion gene encodes a constitutively activated tyrosine kinase that joins the first 233 amino acids of FIP1L1 to the last 523 amino acids of PDGFRA. This gene fusion and chromosomal deletion is the cause of some forms of idiopathic hypereosinophilic syndrome (HES). This syndrome, recently reclassified as chronic eosinophilic leukemia (CEL), is responsive to treatment with tyrosine kinase inhibitors. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Oct 2008]

Keywords

FIP1L1; factor interacting with PAPOLA and CPSF1; Rhe; FIP1; hFip1; pre-mRNA 3'-end-processing factor FIP1; FIP1 like 1; FIP1-like 1 protein; factor interacting with PAP; rearranged in hypereosinophilia; FIP1L1 cleavage and polyadenylation specific factor subunit;

GENE INFORMATION

Entrez Gene ID

[81608](#)

UniProt ID

[Q6UN15](#)

Pathway

mRNA surveillance pathway, organism-specific biosystem; mRNA surveillance pathway, conserved biosystem

Function

RNA binding