SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-A1CF/Cy5 Conjugated antibody

SL6773R-Cy5

Product Name	Anti-A1CF/Cy5
Chinese Name	Cy5 标记的载 LipoproteinB-mRNA 编码蛋白抗体
Alias	A1CF; A1CF_HUMAN; ACF; ACF64; ACF65; Apo B RNA editing protein; Apobec 1 complementation factor; Apobec 1 complementation factor (ACF) (ASP); APOBEC 1 stimulating protein; APOBEC1 complementation factor; APOBEC1 stimulating protein; APOBEC1-stimulating protein; APOBEC1CF; ASP; MGC163391; RP11-564C4.2.
Research Area	Tumour Cell biology Signal transduction Epigenetics
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Mouse,Rat(predicted:Human,Pig,Cow,Sheep)
Applications	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	65kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human A1CF
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	**background:** Essential component of the apolipoprotein B mRNA editing enzyme complex which is responsible for the postranscriptional editing of a CAA codon for Gln to a UAA codon for stop in APOB mRNA. Binds to APOB mRNA and is probably responsible for docking the catalytic subunit, APOBEC1, to the

mRNA to allow it to deaminate its target cytosine. The complex also protects the edited APOB mRNA from nonsense-mediated decay.

Function:
Essential component of the apolipoprotein B mRNA editing enzyme complex which is responsible for the posttranscriptional editing of a CAA codon for Gln to a UAA codon for stop in APOB mRNA. Binds to APOB mRNA and is probably responsible for docking the catalytic subunit, APOBEC1, to the mRNA to allow it to deaminate its target cytosine. The complex also protects the edited APOB mRNA from nonsense-mediated decay.

Subunit:
Part of the apolipoprotein B mRNA editing complex with APOBEC1. Interacts with TNPO2; TNPO2 may be responsible for transport of A1CF into the nucleus. Interacts with SYNCRIP. Interacts with CELF2/CUGBP2.

Subcellular Location:
Nucleus. Endoplasmic reticulum. Cytoplasm. Note=Predominantly nuclear where it localizes to heterochromatin. Also cytoplasmic where it is found at the outer surface of the endoplasmic reticulum. Shuttles between the nucleus and cytoplasm. May be transported into the nucleus by the nuclear import protein TNPO2/TRN2 or by APOBEC1.

Tissue Specificity:
Widely expressed with highest levels in brain, liver, pancreas, colon and spleen.

Similarity:
Contains 3 RRM (RNA recognition motif) domains.

Database links:

Entrez Gene: 29974 Human

Entrez Gene: 69865 Mouse

Entrez Gene: 170912 Rat

SwissProt: Q9NQ94 Human

SwissProt: Q5YD48 Mouse

SwissProt: Q923K9 Rat

Unigene: 282795 Human

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Unigene: 87538 Mouse

Unigene: 162520 Rat

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.