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

[Marker Primary Antibody]

Rabbit Anti-A1CF/Cy3 Conjugated antibody

Catalog Number: SL6773R-Cy3

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-A1CF/Cy3
Immunogen:	KLH conjugated synthetic peptide derived from human A1CF
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
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.
Applications:	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse,Rat(predicted:Human,Pig,Cow,Sheep)
Background:	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

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

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	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 **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.