Datasheet for ABIN2776627

anti-A1CF antibody (N-Term)

2 Images

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Overview

Quantity:	100 µL
Target:	A1CF
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This A1CF antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human A1CF
Sequence:	EAVCLGTCPE PEASMSTAIP GLKKGNNALQ SIILQTLLEK ENGQRKYGGP
Predicted Reactivity:	Human: 100%
Characteristics:	This is a rabbit polyclonal antibody against A1CF. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	A1CF
Alternative Name:	A1CF (A1CF Products)

Target Details

Background:	Mammalian apolipoprotein B mRNA undergoes site-specific C to U deamination, which is mediated by a multi-component enzyme complex containing a minimal core composed of APOBEC-1 and a complementation factor encoded by this gene. A1CF has three non-identical RNA recognition motifs and belongs to the hnRNP R family of RNA-binding proteins. It has been proposed that this complementation factor functions as an RNA-binding subunit and docks APOBEC-1 to deaminate the upstream cytidine. Studies suggest that the protein may also be involved in other RNA editing or RNA processing events. Alternative splicing occurs at this locus and three full-length transcript variants, encoding three distinct isoforms, have been described. Additional splicing has been observed but the full-length nature of these variants has not been determined.Mammalian apolipoprotein B mRNA undergoes site-specific C to U deamination, which is mediated by a multi-component enzyme complex containing a minimal core composed of APOBEC-1 and a complementation factor encoded by this gene. The gene product has three non-identical RNA recognition motifs and belongs to the hnRNP R family of RNA-binding proteins. It has been proposed that this complementation factor functions as an RNA-binding subunit and docks APOBEC-1 to deaminate the upstream cytidine. Studies suggest that the protein may also be involved in other RNA editing or RNA processing events. Alternative splicing occurs at this locus and three full-length transcript variants, encoding three distinct isoforms, have been described. Additional splicing has been observed but the full-length nature of these variants has not been determined. Alias Symbols: ACF, ACF64, ACF65, APOBEC1CF, ASP, MGC163391, RP11-564C4.2 Protein Interaction Partner: SDPR, TRAF1, REL, FHL3, KHSRP, SYNCRIP, TNPO2, CELF2, APOBEC1, Protein Size: 594
Molecular Weight:	65 kDa
Gene ID:	29974
NCBI Accession:	NM_138933, NP_620311
UniProt:	Q9NQ94

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 594 AA
Restrictions:	For Research Use only

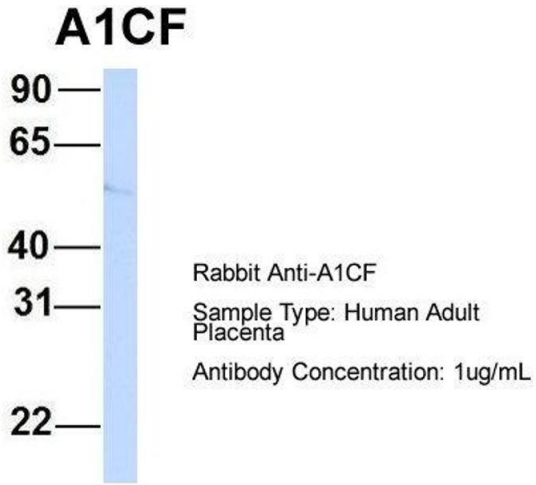
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images

Western Blotting

Image 1. WB Suggested Anti-A1CF Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: HepG2 cell lysate A1CF is supported by BioGPS gene expression data to be expressed in HepG2



Western Blotting

Image 2. Host: Rabbit Target Name: A1CF Sample Type: Human Adult Placenta Antibody Dilution: 1.0ug/ml