



Anti-A1CF monoclonal antibody (DCABH-10401)

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

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	A synthetic peptide of human A1CF is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	A1CF APOBEC1 complementation factor [Homo sapiens]
Official Symbol	A1CF
Synonyms	A1CF; APOBEC1 complementation factor; ACF; ACF64; ACF65; APOBEC1CF; ASP; apo-B RNA editing protein; APOBEC-1 stimulating protein; apobec-1 complementation factor (ACF) (ASP); RP11-564C4.2; MGC163391;
Entrez Gene ID	29974
Protein Refseq	NP_001185747
UniProt ID	A0A024QZJ5
Chromosome Location	10q21.1
Pathway	Formation of the Editosome, organism-specific biosystem; Gene Expression, organism-specific biosystem; mRNA Editing, organism-specific biosystem; mRNA Editing: C to U Conversion, organism-specific biosystem;
Function	RNA binding; cytosine deaminase activity; NOT double-stranded RNA binding; mRNA binding; nucleic acid binding; nucleotide binding; protein binding; single-stranded RNA binding;