



Anti-A1CF (aa 2-51) polyclonal antibody (CPBT-26010RH)

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

PRODUCT INFORMATION

Product Overview	Rabbit Polyclonal antibody to Human A1CF.
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. Several transcript variants encoding a few different isoforms have been found for this gene.
Specificity	Widely expressed with highest levels in brain, liver, pancreas, colon and spleen.
Immunogen	Synthetic peptide corresponding to a region within N terminal amino acids 2-51 (EAVCLGTCPE PEASMSTAIP GLKKGNNALQ SIILQTLLEK ENGQRKYGGP) of human A1CF.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB, ELISA
Sequence Similarities	Contains 3 RRM (RNA recognition motif) domains.
Cellular Localization	Nucleus. Endoplasmic reticulum. Cytoplasm. Predominantly nuclear where it localizes to

heterochromatin. Also cytoplasmic where it is found at the outer surface of the endoplasmic reticulum (By similarity). Shuttles between the nucleus and cytoplasm. May b

Format	Liquid
Size	50 µg
Buffer	Preservative: None Constituents: 2% Sucrose, PBS
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	A1CF APOBEC1 complementation factor [Homo sapiens]
Official Symbol	A1CF
Synonyms	A1CF; APOBEC1 complementation factor; ACF; ACF64; ACF65; APOBEC1CF; ASP; 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; apo-B RNA editing protein; APOBEC-1 stimulating protein; apobec-1 complementation factor (ACF) (ASP); RP11-564C4.2;
Entrez Gene ID	29974
Protein Refseq	NP_055391
UniProt ID	A0A024QZJ5
Chromosome Location	10q21.1
Pathway	Formation of the Editosome, organism-specific biosystem; mRNA Editing, organism-specific biosystem; mRNA Editing: C to U Conversion, organism-specific biosystem; mRNA Processing, 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;