



Rabbit Anti-APOBEC1 antibody

SL12492R

Product Name:	APOBEC1
Chinese Name:	载LipoproteinB-mRNA编辑酶复合物1抗体
Alias:	ABEC1_HUMAN; APOBEC 1; APOBEC1; Apolipoprotein B mRNA editing enzyme; Apolipoprotein B mRNA editing enzyme catalytic polypeptide 1; Apolipoprotein B mRNA editing enzyme complex 1; Apolipoprotein B mRNA-editing enzyme 1; BEDP; C->U-editing enzyme APOBEC-1; CDAR1; EC 3.5.4.; HEPR.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	28kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human APOBEC1:1-100/236
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% 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 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Post-transcriptional editing of apolipoprotein B (apoB) mRNA is regulated by This gene encodes a member of the cytidine deaminase enzyme family. The encoded protein forms a multiple-protein editing holoenzyme with APOBEC1 complementation factor (ACF) and APOBEC1 stimulating protein (ASP). This holoenzyme is involved in the

editing of C-to-U nucleotide bases in apolipoprotein B and neurofibromatosis-1 mRNAs. [provided by RefSeq, Jul 2008].

Function:

Catalytic 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 the APOB mRNA. Also involved in CGA (Arg) to UGA (Stop) editing in the NF1 mRNA.

Subunit:

Homodimer. Part of the apolipoprotein B mRNA editing complex with A1CF. Found in a complex with CELF2/CUGBP2 and A1CF. Interacts with HNRPAB and SYNCRIP.

Subcellular Location:

Cytoplasm.

Tissue Specificity:

Expressed exclusively in the small intestine.

Similarity:

Belongs to the cytidine and deoxycytidylate deaminase family.

SWISS:

P41238

Gene ID:

339

Database links:

[Entrez Gene: 339](#)Human

[Entrez Gene: 11810](#)Mouse

[GenBank: L25877](#)Human

[GenBank: U21951](#)Mouse

[Omim: 600130](#)Human

[SwissProt: P41238](#)Human

[SwissProt: P51908](#)Mouse

[SwissProt: Q694B3](#)Orangutan

[Unigene: 560](#)Human

[Unigene: 3333](#)Mouse

	<p>Important Note:</p>
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