

Goat Anti-APOBEC1 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1077a

Specification

Goat Anti-APOBEC1 Antibody - Product Information

Application	WB
Primary Accession	P41238
Other Accession	NP_001635 , 339 , 11810 (mouse)
Reactivity	Mouse
Predicted	Human
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	28192

Goat Anti-APOBEC1 Antibody - Additional Information

Gene ID 339

Other Names

C->U-editing enzyme APOBEC-1, 3.5.4.-, Apolipoprotein B mRNA-editing enzyme 1, HEPR, APOBEC1

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-APOBEC1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-APOBEC1 Antibody - Protein Information

Name APOBEC1 ([HGNC:604](#))

Function

Cytidine deaminase catalyzing the cytidine to uridine postranscriptional editing of a variety of mRNAs (PubMed: <http://www.uniprot.org/citations/30844405> target="_blank">30844405). Form complexes with cofactors that confer differential editing activity and selectivity. Responsible for the postranscriptional editing of a CAA codon for Gln to a UAA codon for stop in the apolipoprotein B mRNA (PubMed: 24916387). Also involved in CGA (Arg) to UGA (Stop) editing in the NF1 mRNA (PubMed:11727199). May also play a role in the epigenetic regulation of gene expression by participating in DNA demethylation (By similarity).

Cellular Location

Cytoplasm. Nucleus

Tissue Location

Expressed exclusively in the small intestine.

Goat Anti-APOBEC1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-APOBEC1 Antibody - Images



AF1077a (1 µg/ml) staining of Mouse Spleen lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-APOBEC1 Antibody - Background

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.

Goat Anti-APOBEC1 Antibody - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.

Hypermethylation induced by APOBEC-1 overexpression can be eliminated. Chen Z, et al. RNA, 2010 May. PMID 20348446.

Large-scale candidate gene analysis of spontaneous clearance of hepatitis C virus. Mosbrugger TL, et al. J Infect Dis, 2010 May 1. PMID 20331378.

Identification of two common variants contributing to serum apolipoprotein B levels in Mexicans. Weissglas-Volkov D, et al. Arterioscler Thromb Vasc Biol, 2010 Feb. PMID 19965785.

The expression of apoB mRNA editing factors is not the sole determinant for the induction of editing in differentiating Caco-2 cells. Galloway CA, et al. Biochem Biophys Res Commun, 2010 Jan 1. PMID 19932086.