For Research Use Only

APOBEC1 Polyclonal antibody

Catalog Number:32857-1-AP

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Basic Information

Catalog Number:
32857-1-AP

Concentration:
350 ug/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG26715

GenBank Accession Number:
NM_001304566

GeneID (NCBI):
339

UNIPROT ID:
P41238

Full Name:
apolipoprotein B mRNA editing enzyme, catalytic polypeptide 1

Calculated MW:
28 kDa

Observed MW:
25 kDa

Purification Method:
Antigen affinity Purification

Recommended Dilutions:
WB 1:500-1:3000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human

Positive Controls:

WB : HepG2 cells, L02 cells

Background Information

Apolipoprotein B mRNA-editing enzyme catalytic subunit 1 (APOBEC1) is a member of the cytidine deaminase enzyme family. It forms a multiple-protein editing holoenzyme with APOBEC1 complementation factor (ACF) and APOBEC1 stimulating protein (ASP) (PMID: 30844405). This holoenzyme is involved in the editing of C-to-U nucleotide bases in apolipoprotein B and neurofibromatosis-1 mRNAs (PMID: 24916387; 11727199). APOBEC1 plays a crucial role in RNA editing, which is essential for the proper function of these proteins. Additionally, APOBEC1 has been implicated in various cellular processes, including the regulation of gene expression and the maintenance of genomic stability (PMID: 33094286).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
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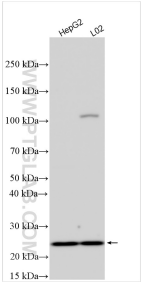
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32857-1-AP (APOBEC1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.