

For Research Use Only

APOBEC3A Polyclonal antibody

Catalog Number: 25084-1-AP



Basic Information

Catalog Number:

25084-1-AP

Size:

150ul, Concentration: 850 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18845

GenBank Accession Number:

BC126416

GeneID (NCBI):

200315

UNIPROT ID:

P31941

Full Name:

apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3A

Calculated MW:

199 aa, 23 kDa

Observed MW:

23 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

WB : HaCaT cells, HeLa cells

IF/ICC : THP-1 cells,

Background Information

APOBEC3A, also known as A3A, belongs to the cytidine and deoxycytidylate deaminase family. APOBEC3A plays a role in immunity, by restricting transmission of foreign DNA such as viruses. One mechanism of foreign DNA restriction is deamination of foreign double-stranded DNA cytidines to uridines, which leads to DNA degradation. However, other mechanisms are also thought to be involved, as anti-viral effect is not dependent on deaminase activity. APOBEC3A is expressed in several cell types, including keratinocytes and myeloid cells (PMID: 28825669). APOBEC3A has 2 isoforms with the molecular mass of 22 and 23 kDa.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

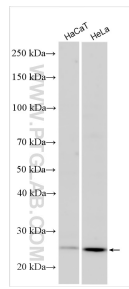
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

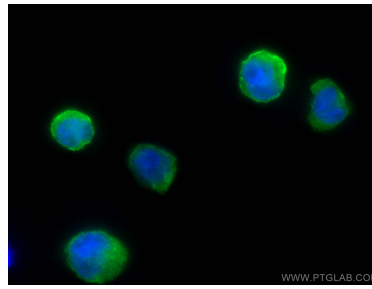
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 25084-1-AP (APOBEC3A antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed THP-1 cells using APOBEC3A antibody (25084-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).