

For Research Use Only

APOBEC3A Recombinant antibody

Catalog Number: 84239-2-RR



Basic Information

Catalog Number:

84239-2-RR

Size:

1000 ug/ml

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

Purification Method:

Protein A purification

CloneNo.:

241529F1

Recommended Dilutions:

IF/ICC 1:125-1:500

Applications

Tested Applications:

IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

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

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

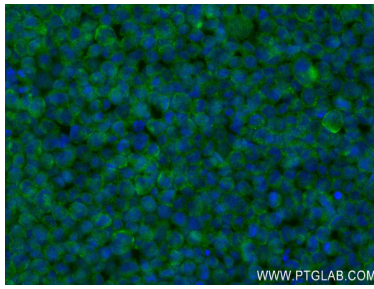
T: 4006900926

E: Proteintech-CN@ptglab.com

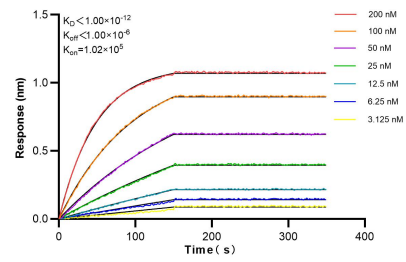
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed THP-1 cells using APOBEC3A antibody (84239-2-RR, Clone: 241529F1) at dilution of 1:250 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 84239-2-RR against Human APOBEC3A were performed. The affinity constant is below 1 pM.