

For Research Use Only

APOBEC3A Recombinant antibody

Catalog Number: 84239-4-RR



Basic Information

Catalog Number: 84239-4-RR	GenBank Accession Number: BC126416	Purification Method: Protein A purification
Size: 1000 ug/ml	GeneID (NCBI): 200315	CloneNo.: 241529G4
Source: Rabbit	UNIPROT ID: P31941	Recommended Dilutions: WB 1:500-1:2000
Isotype: IgG	Full Name: apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3A	
Immunogen Catalog Number: AG18845	Calculated MW: 199 aa, 23 kDa	
	Observed MW: 28 kDa	

Applications

Tested Applications: WB, FC (Intra), ELISA	Positive Controls: WB : rat colon tissue, HeLa cells, HaCaT cells
Species Specificity: human, rat	

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:

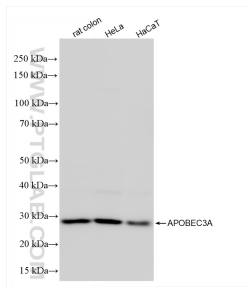
T: 4006900926

E: Proteintech-CN@ptglab.com

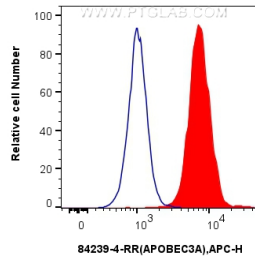
W: ptgcn.com

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

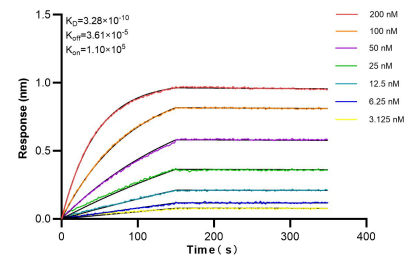
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84239-4-RR (APOBEC3A antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



1×10^6 A431 cells were intracellularly stained with 0.25 μ g Apobec3a Recombinant Antibody (84239-4-RR, Clone:241529G4) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 μ g Isotype Control (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.



Bi-layer interferometry (BLI) kinetic assays of 84239-4-RR against Human APOBEC3A were performed. The affinity constant is 0.328 nM.