

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: 100ul , Concentration: 1000 ug/ml by Nanodrop;	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

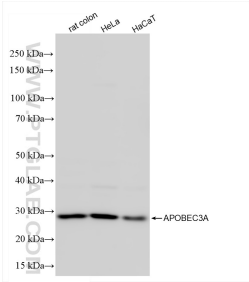
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

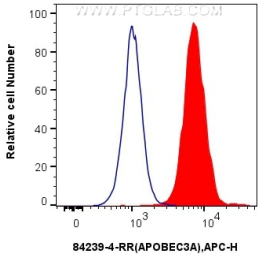
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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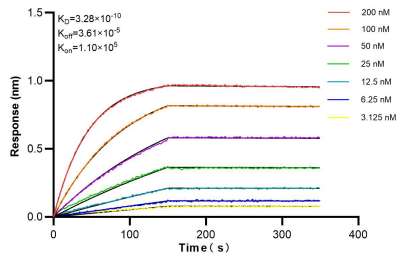
Selected Validation Data



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.



1x10⁶ A431 cells were intracellularly stained with 0.25 ug Apobec3a Recombinant Antibody (84239-4-RR, Clone:241529G4) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.



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