

## ARG64456 anti-APOBEC3A / Phorbolin 1 antibody

Package: 100 µg  
Store at: -20°C

### Summary

|                     |   |
|---------------------|---|
| Product Description | Goat Polyclonal antibody recognizes APOBEC3A / Phorbolin 1        |
| Tested Reactivity   | Hu  |
| Tested Application  | FACS, ICC/IF, IHC-P, WB   |
| Host                | Goat  |
| Clonality           | Polyclonal  |
| Isotype             | IgG   |
| Target Name         | APOBEC3A / Phorbolin 1  |
| Species             | Human   |
| Immunogen           | C-TSNFNNGIGRHKTY  |
| Conjugation         | Un-conjugated   |
| Alternate Names     | DNA dC->dU-editing enzyme APOBEC-3A; A3A; Phorbolin-1; EC 3.5.4.- |

### Application Instructions

| Application table | Application  | Dilution      |
|-------------------|--|---------------|
|                   | FACS   | 10 µg/ml      |
|                   | ICC/IF   | 10 µg/ml      |
|                   | IHC-P  | 3 - 6 µg/ml   |
|                   | WB   | 0.1 - 1 µg/ml |
| Application Note  | IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).<br>WB: Recommend incubate at RT for 1h.<br>* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |               |

### Properties

|                     |  |
|---------------------|--|
| Form                | Liquid   |
| Purification        | Purified from goat serum by antigen affinity chromatography.   |
| Buffer              | Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.   |
| Preservative        | 0.02% Sodium azide   |
| Stabilizer          | 0.5% BSA   |
| Concentration       | 0.5 mg/ml  |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed |

before use.

#### Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

#### Database links

[GeneID: 200315 Human](#)

[Swiss-port # P31941 Human](#)

#### Background

This gene is a member of the cytidine deaminase gene family. It is one of seven related genes or pseudogenes found in a cluster, thought to result from gene duplication, on chromosome 22. Members of the cluster encode proteins that are structurally and functionally related to the C to U RNA-editing cytidine deaminase APOBEC1. The protein encoded by this gene lacks the zinc binding activity of other family members. The protein 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. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2012]

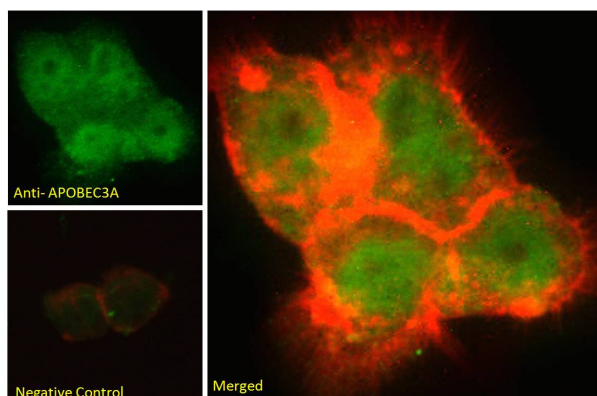
#### Research Area

Cell Biology and Cellular Response antibody; Metabolism antibody; Signaling Transduction antibody

#### Calculated Mw

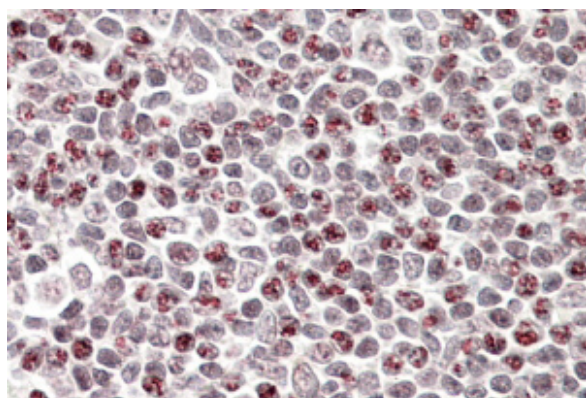
23 kDa

## Images



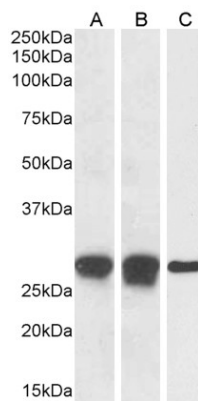
ARG64456 anti-APOBEC3A / Phorbolin 1 antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed A431 cells permeabilized with 0.15% Triton. Cells were stained with ARG64456 anti-APOBEC3A / Phorbolin 1 antibody (green) at 10 µg/ml dilution for 1 hour. Phalloidin (red) for Actin filaments staining. Negative control: Unimmunized goat IgG (green) at 10 µg/ml dilution.



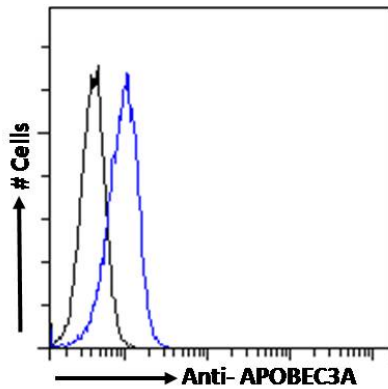
ARG64456 anti-APOBEC3A / Phorbolin 1 antibody IHC-P image

Immunohistochemistry: Paraffin embedded Human Tonsil. (Steamed antigen retrieval with citrate buffer pH 6) stained with ARG64456 anti-APOBEC3A / Phorbolin 1 antibody at 3.8 µg/ml dilution followed by AP-staining.



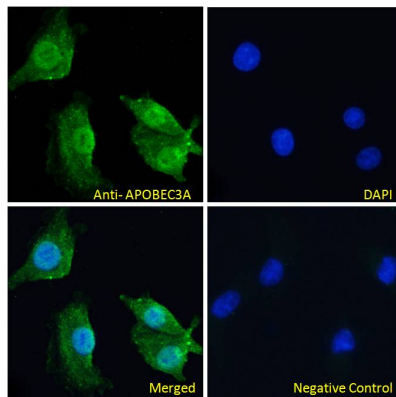
ARG64456 anti-APOBEC3A / Phorbolin 1 antibody WB image

Western blot: 35 µg of Human spleen (A), tonsil (B) and peripheral blood mononuclear cell (C) lysates (in RIPA buffer) stained with ARG64456 anti-APOBEC3A / Phorbolin 1 antibody at 1 µg/ml (A, B) and 0.1 µg/ml (C) dilutions and incubated at RT for 1 hour.



ARG64456 anti-APOBEC3A / Phorbolin 1 antibody FACS image

Flow Cytometry: Paraformaldehyde-fixed Jurkat cells permeabilized with 0.5% Triton. Cells were stained with ARG64456 anti-APOBEC3A / Phorbolin 1 antibody (blue line) at 10 µg/ml dilution for 1 hour, followed by incubation with Alexa FluorR 488 labelled secondary antibody. IgG control: Unimmunized goat IgG (black line).



ARG64456 anti-APOBEC3A / Phorbolin 1 antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed A549 cells permeabilized with 0.15% Triton. Cells were stained with ARG64456 anti-APOBEC3A / Phorbolin 1 antibody (green) at 10 µg/ml dilution for 1 hour. DAPI (blue) for nuclear staining. Negative control: Unimmunized goat IgG (green) at 10 µg/ml dilution.