



## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB08268 - Goat Anti-Phorbolin 1 / APOBEC3A Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** APOBEC3A, apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3A, ARP3, PHRBN, bK150C2.1, phorbolin 1

**Official Symbol:** APOBEC3A

**Accession Number(s):** NP\_663745.1

**Human GeneID(s):** [200315](#)

### Immunogen

Peptide with sequence C-TSNFNNGIGRHKTY, from the internal region of the protein sequence according to NP\_663745.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:8000.

**Western blot:** Approx. 26-28kDa band observed in Human Spleen, Tonsil and Peripheral Blood Monocytes (PBM) lysates (calculated MW of 23.0kDa according to Human NP\_663745.1). This molecular weight is routinely observed by other sources.

Recommended concentration: 0.1-1µg/ml. Primary incubation 1 hour at room temperature.

**IHC:** In paraffin embedded Human Tonsil shows staining of distinct parts of the nucleus in lymphoid cells. Recommended concentration: 3-6µg/ml.

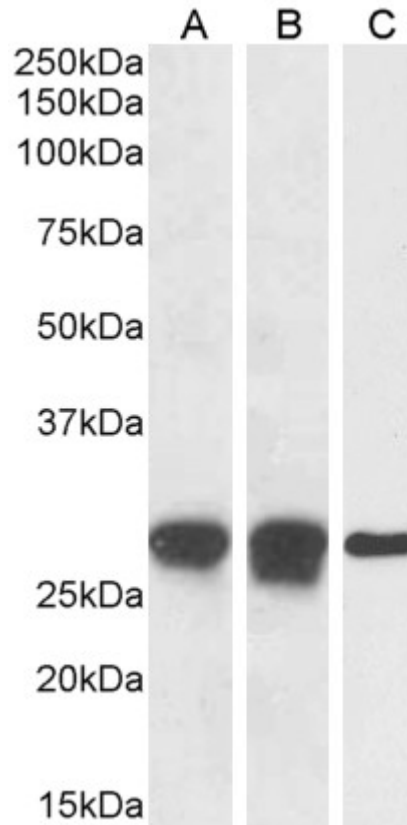
**Immunofluorescence:** Strong expression of the protein seen in the nuclei of A431 and A549 cells. Recommended concentration: 10µg/ml.

**Flow Cytometry:** Flow cytometric analysis of Jurkat cells. Recommended concentration: 10µg/ml.

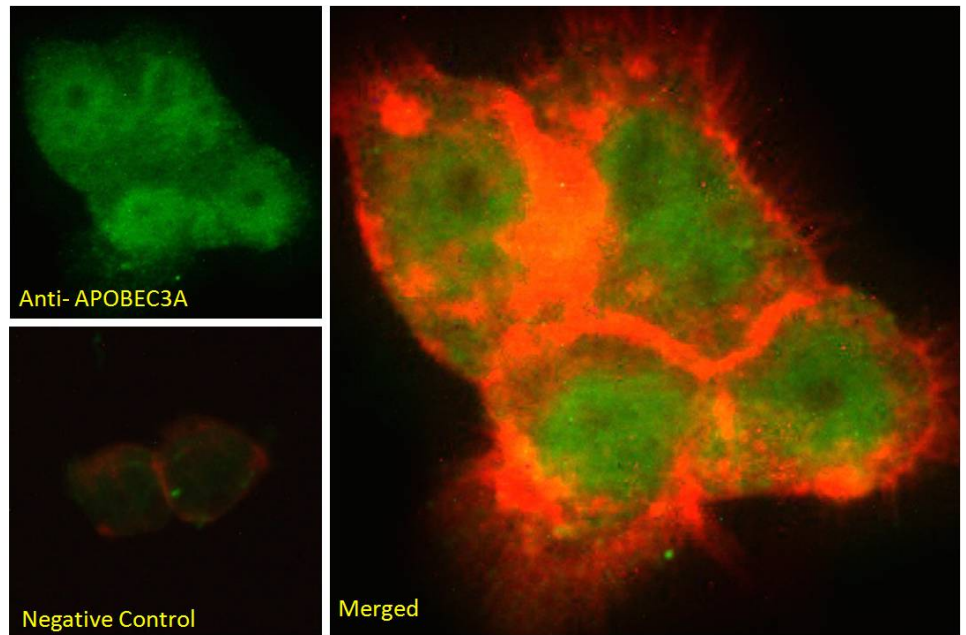
### Species Reactivity

**Tested:** Human

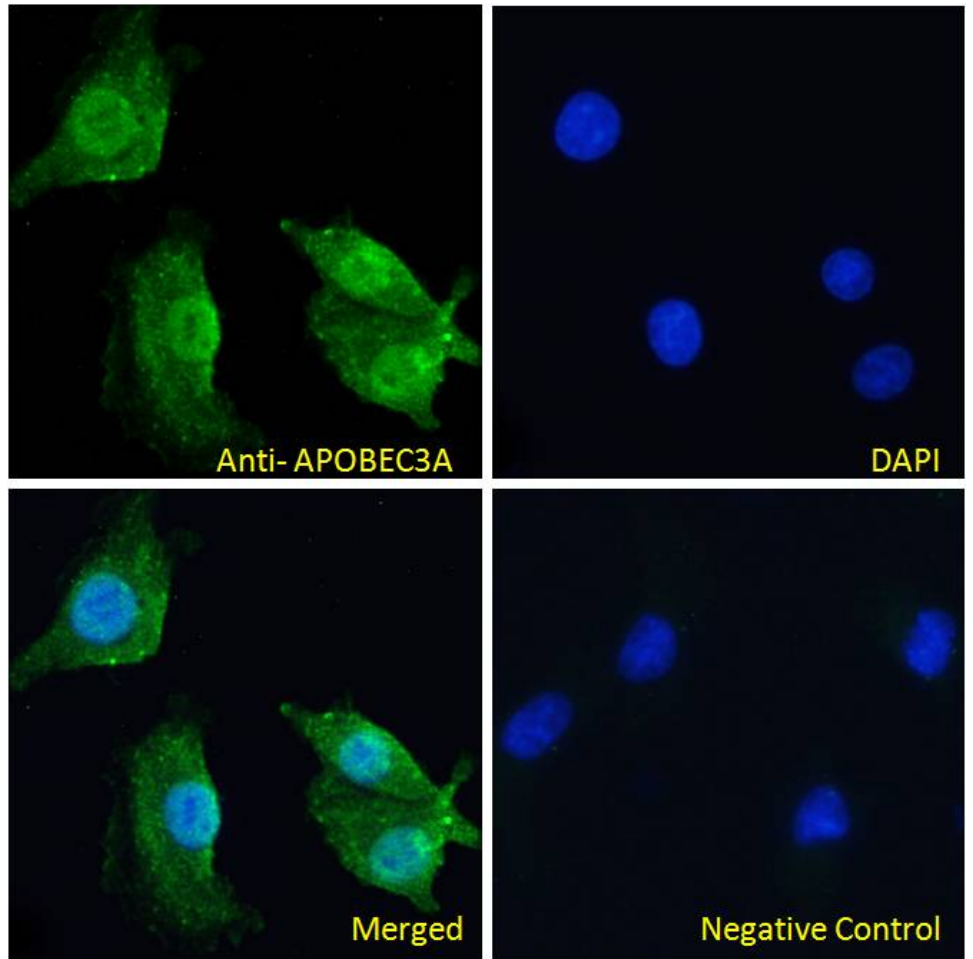
**Expected from sequence similarity:** Human



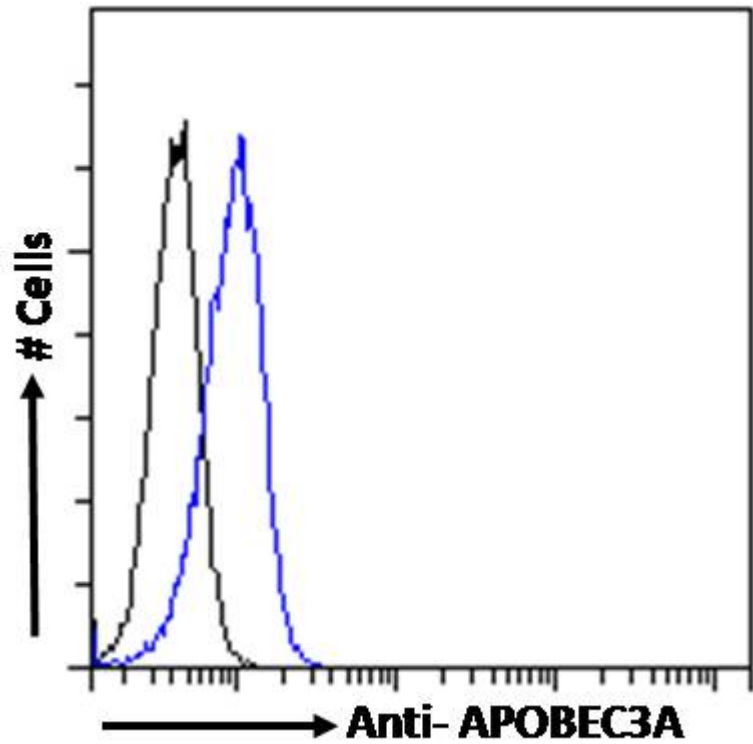
EB08268 (1 $\mu$ g/ml) staining of Human Spleen (A), Tonsil (B) and (0.1 $\mu$ g/ml) PBM (C) lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



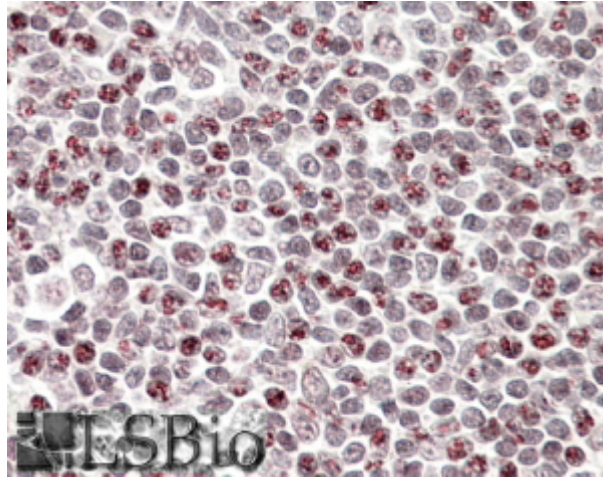
EB08268 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 $\mu$ g/ml) followed by Alexa Fluor 488 secondary antibody (2 $\mu$ g/ml), showing nuclear staining. Actin filaments were stained with phalloidin (red). Negative control: Unimmunized goat IgG (10 $\mu$ g/ml) followed by Alexa Fluor 488 secondary antibody (2 $\mu$ g/ml).



EB08268 Immunofluorescence analysis of paraformaldehyde fixed A549 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and some cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB08268 Flow cytometric analysis of paraformaldehyde fixed Jurkat cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



EB08268 (3.8µg/ml) staining of paraffin embedded Human Tonsil. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.