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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

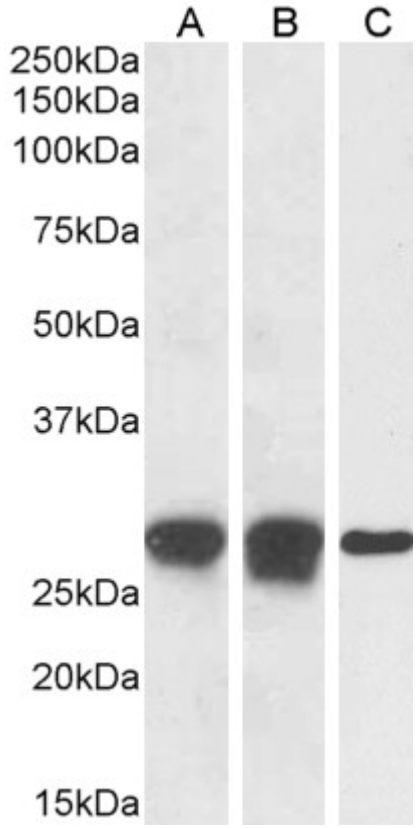
Peptide ELISA: antibody detection limit dilution 1:8000.
Western blot: Approx. 26-28kDa band observed in Human Spleen, Tonsil and Peripheral Blood Monocytes (PBM) lysates (calculated MW of 23.0kDa according to Human NP_663745.1). This molecular weight is routinely observed by other sources. Recommended concentration: 0.1-1ug/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.

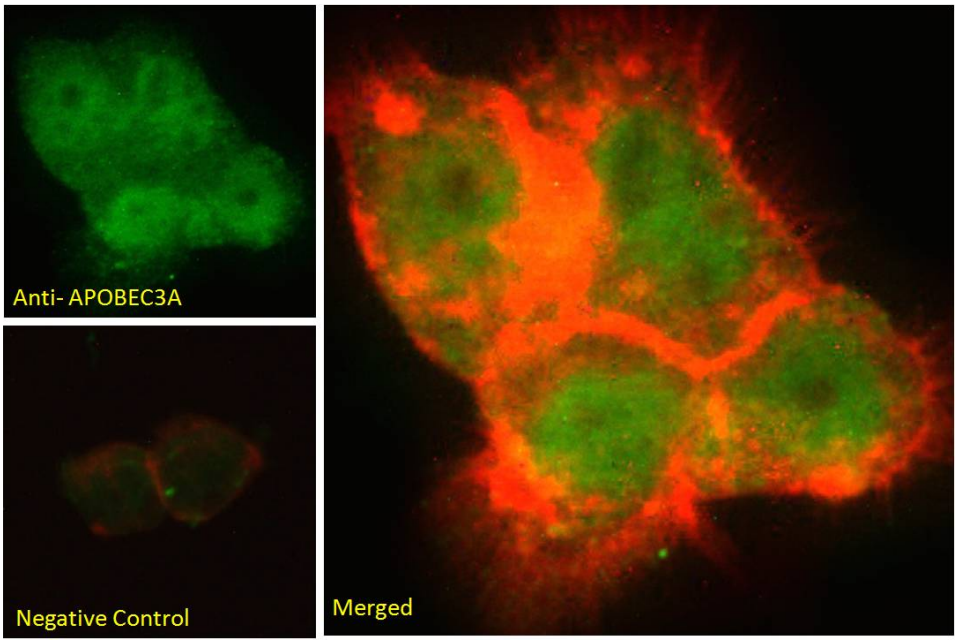
Flow Cytometry: Flow cytometric analysis of Jurkat cells. Recommended concentration: 10ug/ml.

Species Reactivity

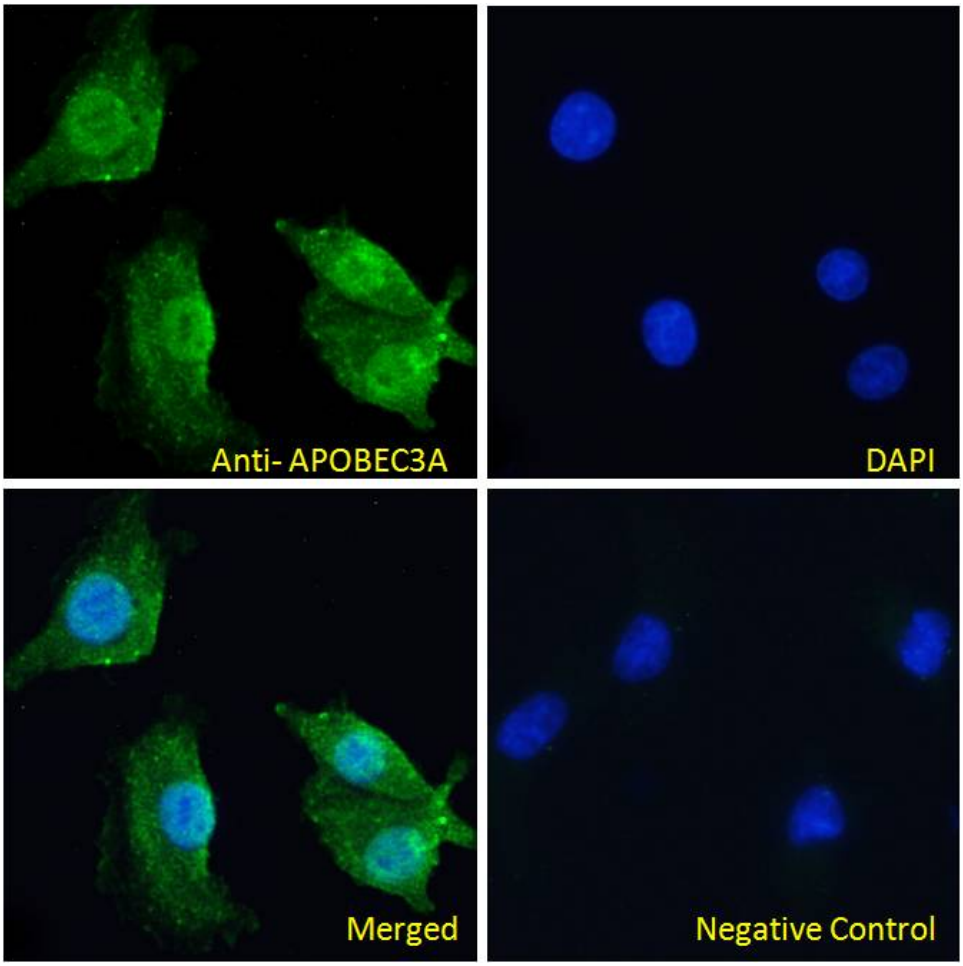
Tested: Human
Expected from sequence similarity: Human



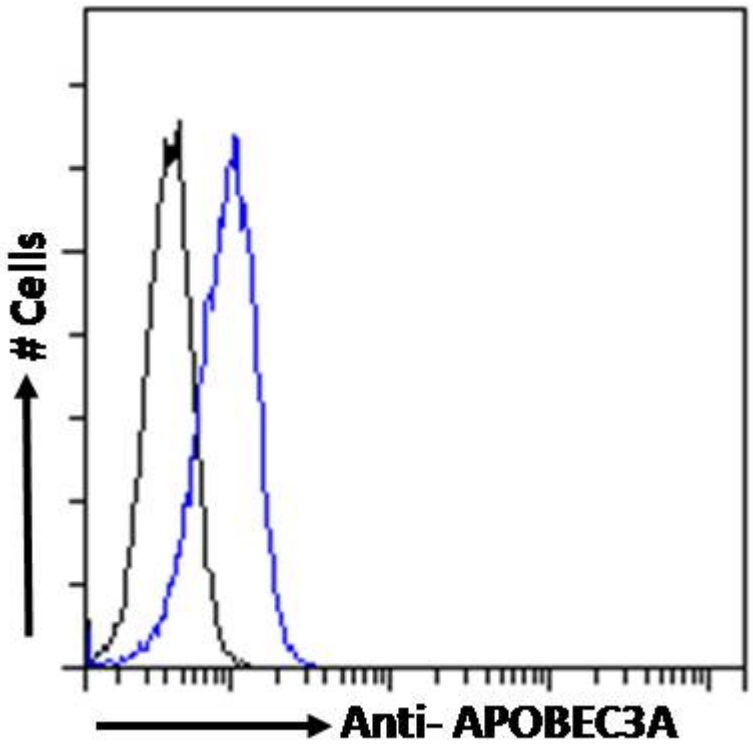
EB08268 (1µg/ml) staining of Human Spleen (A), Tonsil (B) and (0.1ug/ml) PBM (C) lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



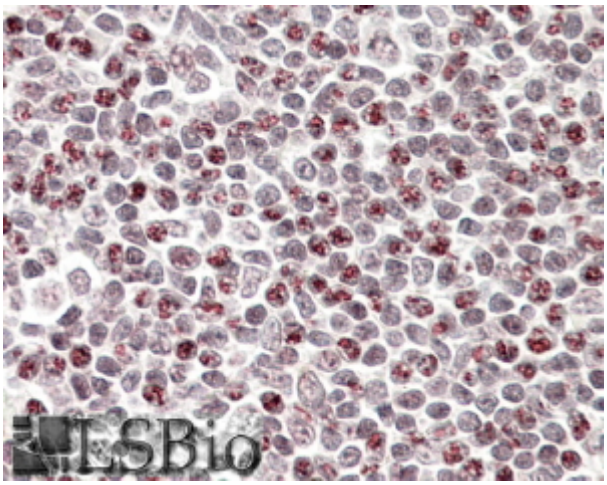
EB08268 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear staining. Actin filaments were stained with phalloidin (red). Negative control: Unimmunized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