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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 (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.