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

EB08917 - Goat Anti-APOL3 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: APOL3, apolipoprotein L, 3, APOLIII, CG12-1, OTTHUMP00000028913, TNF-inducible protein CG12-1, apolipoprotein L-III, apolipoprotein L3

Official Symbol: APOL3

Accession Number(s): NP_663615.1, NP_055164.1, NP_663616.1; NP_001380516.1; NP_001380534.1

Human GeneID(s): [80833](#)

Important Comments: This antibody is expected to recognize isoforms 1 -5.

Immunogen

Peptide with sequence ELTQIYQRLNPCHTH, from the C Terminus of the protein sequence according to NP_663615.1, NP_055164.1, NP_663616.1; NP_001380516.1; NP_001380534.1.

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 1:1000.

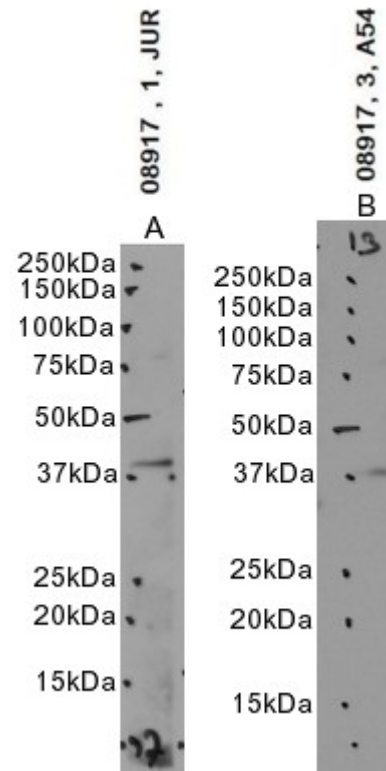
Western blot: Approx. 38kDa band observed in lysates of cell lines Jurkat and A549 (calculated MW of 36.5kDa according to NP_055164.1). Recommended concentration: 1-3µg/ml. Primary incubation 1 hour at room temperature.

Immunofluorescence: Strong expression of the protein seen in the cytoplasm of Jurkat cells. Recommended concentration: 10µg/ml. **Flow Cytometry:** Flow cytometric analysis of Jurkat cells. Recommended concentration: 10ug/ml.

Species Reactivity

Tested: Human

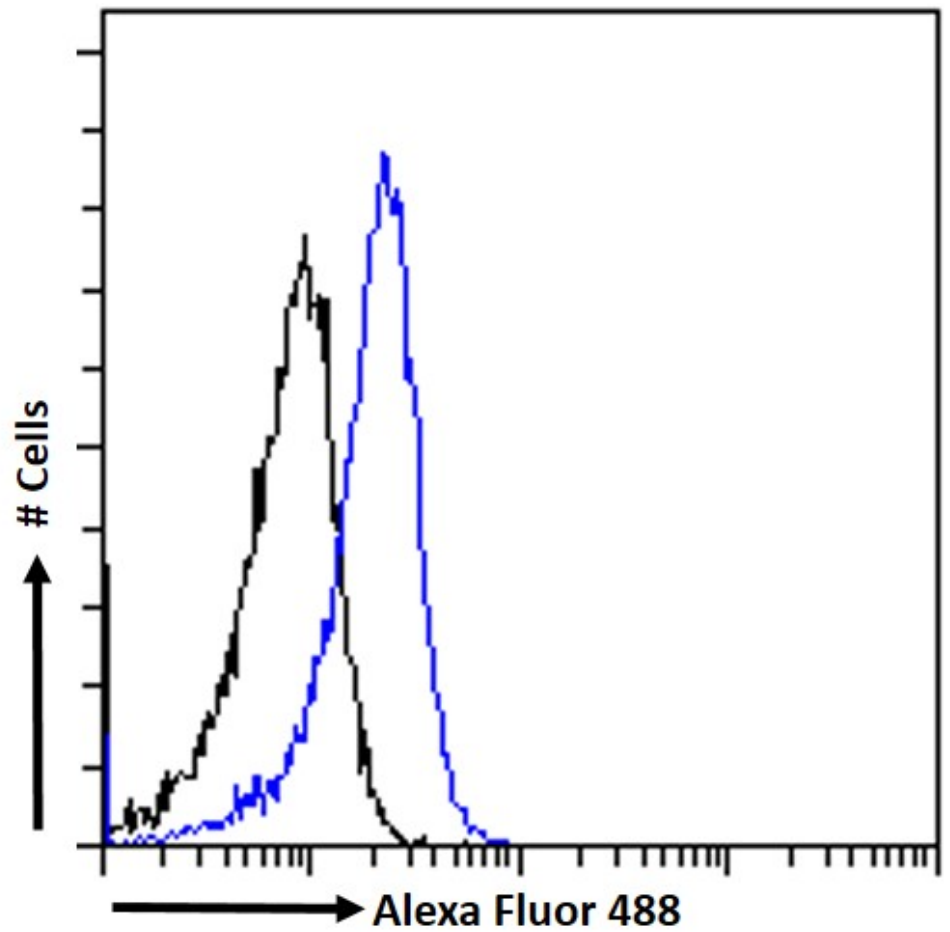
Expected from sequence similarity: Human



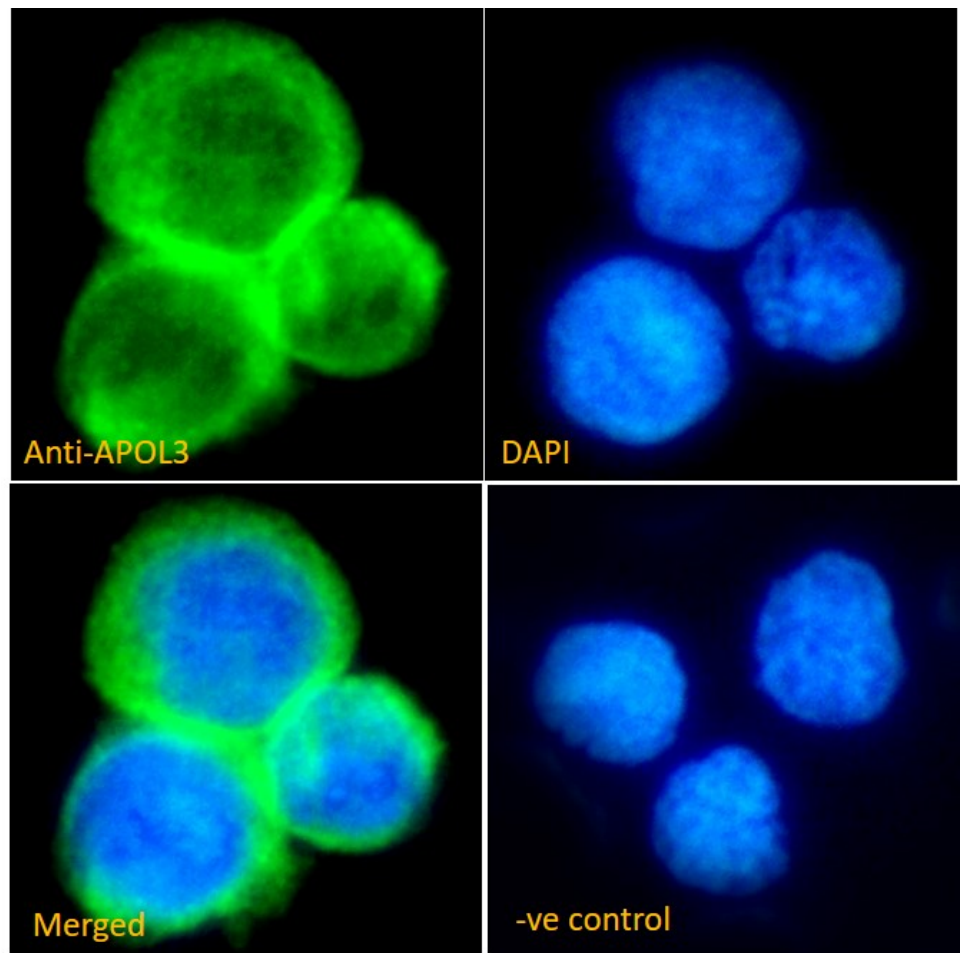
EB08917 optimised QC. Primary incubation 1 hour at room temperature.

Image A: Jurkat cell lysate at primary Ab concentration 1ug/ml. Image B: A549 cell lysate at primary Ab concentration 3ug/ml. (Loaded 35µg protein in RIPA buffer, per lane).

Detected by chemiluminescence.



EB08917 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.



EB08917 Immunofluorescence analysis of paraformaldehyde fixed Jurkat immobilized on Shi-fix™ plus cover-slips. Primary incubation 1hr (1:50 dilution) followed by Alexa Fluor® 488 secondary antibody (1:2000 dilution), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Anti-Goat IgG followed by Alexa Fluor® 488 secondary antibody.