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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.

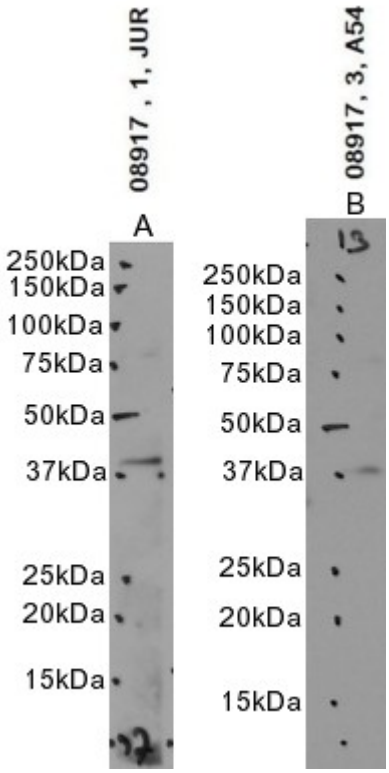
Applications Tested

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.

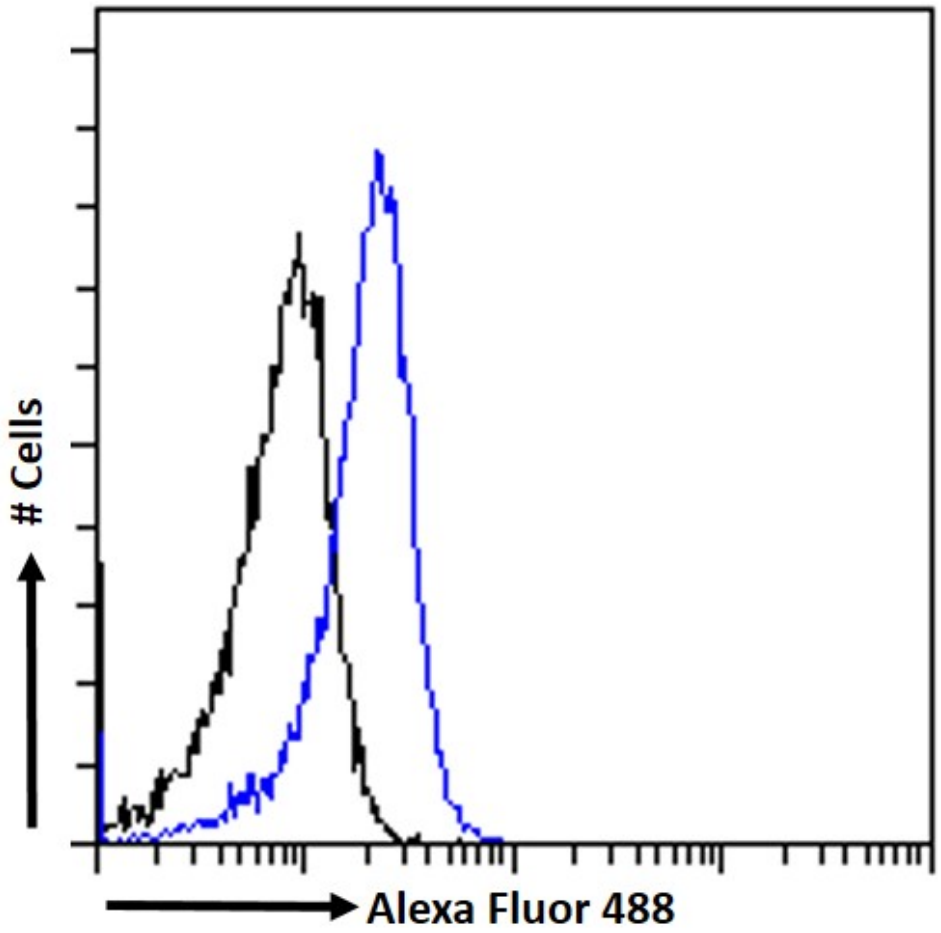
Species Reactivity

Tested: Human
Expected from sequence similarity: Human

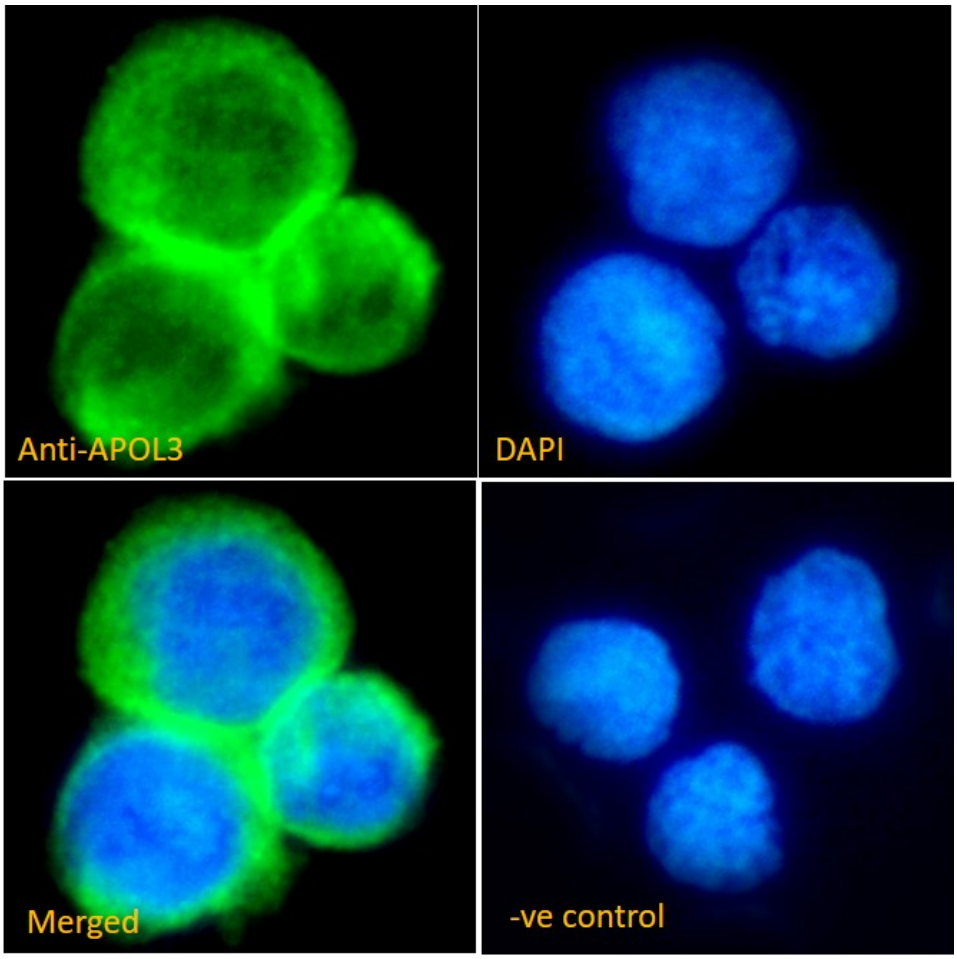


EB08917 optimised QC. Primary incubation 1 hour at room temperature.

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.