

Product datasheet

Anti-Apolipoprotein L1/APOL1 antibody [EPR2907(2)] - BSA and Azide free ab169952

Recombinant RabMAb

4 Images

Overview

Product name	Anti-Apolipoprotein L1/APOL1 antibody [EPR2907(2)] - BSA and Azide free
Description	Rabbit monoclonal [EPR2907(2)] to Apolipoprotein L1/APOL1 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), IP, WB, ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Apolipoprotein L1/APOL1. The exact sequence is proprietary.
Positive control	ICC/IF: BxPC-3 cells
General notes	ab169952 is the carrier-free version of ab108315 .

Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.

This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#).

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR2907(2)
Isotype	IgG

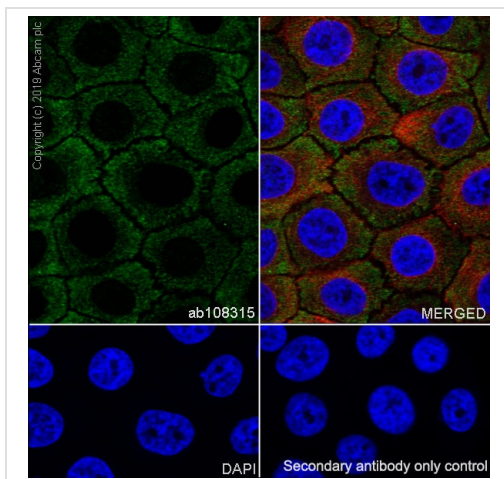
Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab169952 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		Use at an assay dependent concentration. ab199376 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
IP		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 44 kDa.
ICC/IF		Use at an assay dependent concentration.

Target

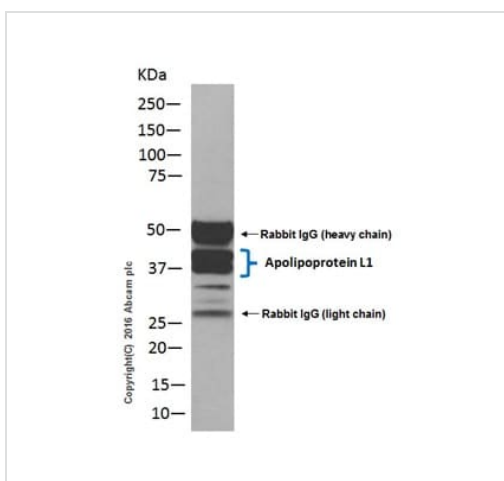
Function	May play a role in lipid exchange and transport throughout the body. May participate in reverse cholesterol transport from peripheral cells to the liver.
Tissue specificity	Plasma. Found on APOA-I-containing high density lipoprotein (HDL3). Expressed in pancreas, lung, prostate, liver, placenta and spleen.
Involvement in disease	Defects in APOL1 are the cause of focal segmental glomerulosclerosis type 4 (FSGS4) [MIM:612551]. It is a renal pathology defined by the presence of segmental sclerosis in glomeruli and resulting in proteinuria, reduced glomerular filtration rate and edema. Renal insufficiency often progresses to end-stage renal disease, a highly morbid state requiring either dialysis therapy or kidney transplantation.
Sequence similarities	Belongs to the apolipoprotein L family.
Post-translational modifications	Phosphorylation sites are present in the extracellular medium.
Cellular localization	Secreted.



Immunocytochemistry/ Immunofluorescence - Anti-Apolipoprotein L1/APOL1 antibody [EPR2907(2)] - BSA and Azide free (ab169952)

Immunocytochemistry/ Immunofluorescence analysis of BxPC-3 (human pancreas adenocarcinoma epithelial cell) cells labeling Apolipoprotein L1/APOL1 with purified **ab108315** at 1/50 dilution (9.2 µg/mL). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with **ab195889** Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1/200 (2.5 µg/mL). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1/1000 (2 µg/mL) dilution. DAPI (blue) was used as nuclear counterstain. **ab195889** Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1/200 (2.5 µg/mL) was used as the secondary antibody only control.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab108315**).



Immunoprecipitation - Anti-Apolipoprotein L1/APOL1 antibody [EPR2907(2)] - BSA and Azide free (ab169952)

This IP data was generated using the same anti-Apolipoprotein L1/APOL1 antibody clone, EPR2907(2), in a different buffer formulation (cat# **ab108315**).

Apolipoprotein L 1/APOL1 was immunoprecipitated from 1mg of Human plasma with **ab108315** at 1/40 dilution.

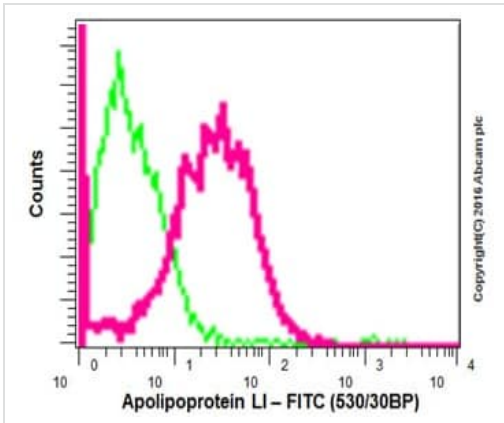
Western blot was performed from the immunoprecipitate using **ab108315** at 1/1000 dilution.

Goat Anti-Rabbit IgG peroxidase conjugated, was used as secondary antibody at 1/1000 dilution.

Lane 1: Human plasma

Blocking and dilution buffer and concentration: 5% NFDN/TBST.

Exposure time: 10 seconds.







Flow Cytometry (Intracellular) - Anti-Apolipoprotein L1/APOL1 antibody [EPR2907(2)] - BSA and Azide free (ab169952)

This Flow Cyt data was generated using the same anti-Apolipoprotein L 1/APOL1 antibody clone, EPR2907 (2), in a different buffer formulation (cat

ab108315).

Intracellular flow cytometric analysis of 2% paraformaldehyde-fixed HepG2 (Human hepatocellular carcinoma) cell line labeling Apolipoprotein L 1/APOL1 with **ab108315** at 1/70 dilution (red) compared with a Rabbit IgG, monoclonal [EPR25A] - Isotype Control (**ab172730**) (Green). Goat anti Rabbit IgG (FITC) at 1/150 dilution was used as the secondary antibody.

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

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Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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