abcam

Product datasheet

Recombinant Human Apolipoprotein L1/APOL1 ab152886

1 Image

Description

Product name	Recombinant Human Apolipoprotein L1/APOL1
Purity	> 80 % Affinity purified. Glutathione Sepharose 4 Fast Flow
Expression system	Wheat germ
Accession	O14791
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MEGAALLRVSVLCIWMSALFLGVGVRAEEAGARVQQNVP SGTDTGDPQSK PLGDWAAGTMDPESSIFIEDAIKYFKEKVSTQNLLLLLTDN EAWNGFVAA AELPRNEADELRKALDNLARQMIMKDKNWHDKGQQYRN WFLKEFPRLKSE LEDNIRRLRALADGVQKVHKGTTIANVVSGSLSISSGILTLV GMGLAPFT EGGSLVLLEPGMELGITAALTGITSSTMDYGKKWWTQA
Predicted molecular weight	52 kDa including tags
Amino acids	1 to 238

Specifications

Our **Abpromise guarantee** covers the use of **ab152886** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	ELISA SDS-PAGE Western blot
Form	Liquid
Additional notes	Protein concentration is above or equal to 0.05 µg/µl

This product was previously labelled as Apolipoprotein L 1

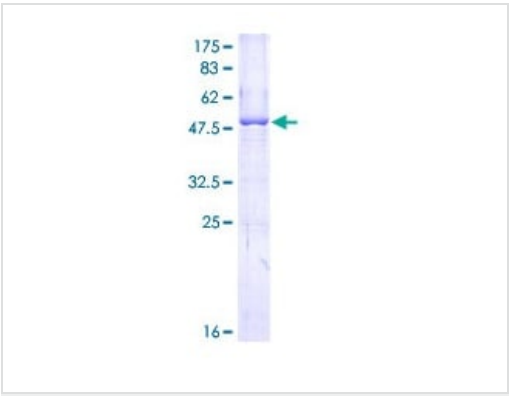
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

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 extracelllular medium.
Cellular localization	Secreted.

Images



SDS-PAGE - Recombinant Human Apolipoprotein L1/APOL1 (ab152886)

12.5% SDS-PAGE analysis of ab152886 stained with Coomassie Blue

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

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