

# APOL1 Antibody

Purified Mouse Monoclonal Antibody

Catalog # AO1256a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">O14791</a>
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Clone Names</b>	1D4
<b>Isotype</b>	IgG1
<b>Calculated MW</b>	43974
<b>Description</b>	APOL1(apolipoprotein L, 1), also known as APOL, APO-L, APOL-I. Entrez Protein NP_001130012. It is a 395aa secreted high density lipoprotein which binds to apolipoprotein A-I. And is involved in the formation of most cholesteryl esters in plasma and also promotes efflux of cholesterol from cells. The apolipoprotein L gene family encodes six highly homologous proteins designated apoL-I to -VI. This apolipoprotein L family member may play a role in lipid exchange and transport throughout the body, as well as in reverse cholesterol transport from peripheral cells to the liver. Several different transcript variants encoding different isoforms have been found for this gene.
<b>Immunogen</b>	Purified recombinant fragment of APOL1 expressed in E. Coli.
<b>Formulation</b>	Ascitic fluid containing 0.03% sodium azide.

## Additional Information

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<b>Gene ID</b>	8542
<b>Other Names</b>	Apolipoprotein L1, Apolipoprotein L, Apo-L, ApoL, Apolipoprotein L-I, ApoL-I, APOL1, APOL
<b>Dilution</b>	WB~~1/500 - 1/2000 E~~N/A
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	APOL1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	APOL1
<b>Synonyms</b>	APOL
<b>Function</b>	May play a role in lipid exchange and transport throughout the body. May participate in reverse cholesterol transport from peripheral cells to the liver.
<b>Cellular Location</b>	Secreted.
<b>Tissue Location</b>	Plasma. Found on APOA-I-containing high density lipoprotein (HDL3). Expressed in pancreas, lung, prostate, liver, placenta and spleen

## References

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1. Proc Natl Acad Sci U S A. 2007 Mar 6;104(10):4118-23. 2. J Lipid Res. 2005 Mar;46(3):469-74.

## Images

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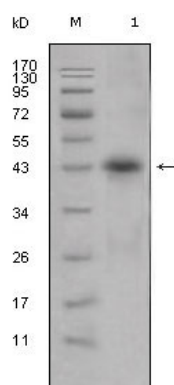


Figure 1: Western blot analysis using APOL1 mouse mAb against human plasma (1).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.