Rabbit anti-Human APOL1 Polyclonal Antibody | anti-APOL1 antibody

APOL1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288167	**Rabbit**	**Human**	**Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA**

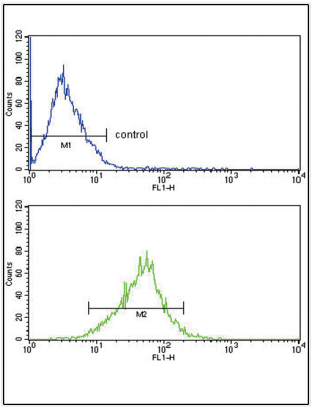
PRODUCT SYNONYMS

APOL1; Polyclonal Antibody; APOL1 Antibody; Apolipoprotein L1; Apolipoprotein L; Apo-L; ApoL; Apolipoprotein L-I; ApoL-I; APOL; anti-APOL1 antibody

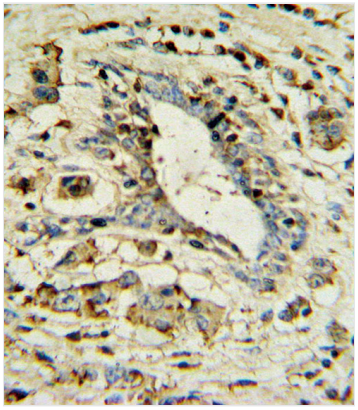
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This APOL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 137-171 amino acids from human APOL1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Sequence Positions	137-171
Applicable Applications for anti-APOL1 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA
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.
Cellular Location	Secreted.
Tissue Location	Plasma. Found on APOA-I-containing high density lipoprotein (HDL3). Expressed in pancreas, lung, prostate, liver, placenta and spleen.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

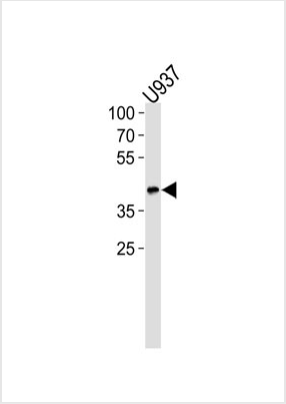
IMAGES



FCM/FACS (Flow Cytometry)
APOL1 Antibody (19169) FC analysis of MCF-7 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohiostchemistry)
APOL1 Antibody (AAA288167) IHC analysis in formalin fixed and paraffin embedded human breast carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the APOL1 Antibody for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
APOL1-BH3 Domain Antibody (AAA288167) western blot analysis in U937 cell line lysates (35ug/lane).This demonstrates the APOL1-BH3 Domain antibody detected the APOL1-BH3 Domain protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-APOL1 antibody	APOL1 is a secreted high density lipoprotein which binds to apolipoprotein A-I. Apolipoprotein A-I is a relatively abundant plasma protein and is the major apoprotein of HDL. It is involved in the formation of most cholesteryl esters in plasma and also promotes efflux of cholesterol from cells. 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.
Product Categories/Family for anti-APOL1 antibody	Crown Antibodies; Cardiovascular; Metabolism; Neuroscience
References	Li,Q., Clin. Chim. Acta 403 (1-2), 152-155 (2009) Zhaorigetu,S., Autophagy 4 (8), 1079-1082 (2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	211938440
NCBI GeneID	8542
NCBI Accession #	NP_001130012.1; NP_001130013.1; NP_003652.2
NCBI GenBank Nucleotide #	NM_001136540.1

UniProt Accession #	O14791; O60804; Q5R3P7; Q5R3P8; Q96AB8; Q96PM4; Q9BQ03; A5PLQ4; B4DU12; E9PF24
Molecular Weight	43974
NCBI Official Full Name	apolipoprotein L1 isoform a
NCBI Official Synonym Full Names	apolipoprotein L, 1
NCBI Official Symbol	APOL1
NCBI Official Synonym Symbols	APOL; APO-L; FSGS4; APOL-I
NCBI Protein Information	apolipoprotein L1
UniProt Protein Name	Apolipoprotein L1
UniProt Gene Name	**APOL1**
UniProt Synonym Gene Names	APOL; Apo-L; ApoL; ApoL-I
UniProt Entry Name	APOL1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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