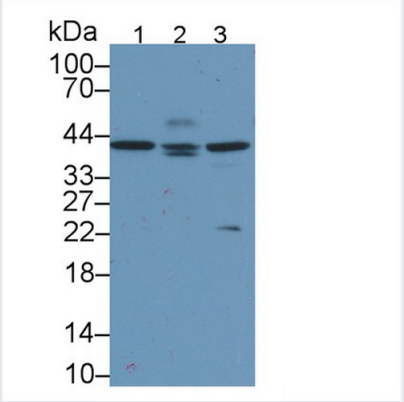
Apolipoprotein L2 (APOL2) Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	Apolipoprotein L2 (APOL2), Monoclonal Antibody
Full Product Name	Monoclonal Antibody to Apolipoprotein L2 (APOL2)
Product Gene Name	anti-APOL2 antibody
Product Synonym Names	APOL2/Apolipoprotein L2; ApoL2; APOLII
Clonality	Monoclonal
Isotype	IgG1 Kappa
Clone Number	C8
Host	Mouse
Species Reactivity	Human, Rat
Form/Format	Liquid; 0.01M PBS, pH7.4, containing 0.05% Proclin300, 50% glycerol.
Purity/Purification	Protein A + Protein G affinity chromatography
Concentration	1mg/mL (lot specific)
Specificity	The antibody is a mouse monoclonal antibody raised against APOL2. It has been selected for its ability to recognize APOL2 in immunohistochemical staining and western blotting.
Preparation and Storage	Store at 2 degree C to 8 degree C for frequent use, 20 degree C for 24 months The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Matching Pairs	Unconjugated Antibody: APOL2 Clone #C8 (MBS2139249) APC-CY7 Conjugated Antibody: APOL2 Clone #C8 (MBS2136051)
Matching Pairs	Unconjugated Antibody: APOL2 Clone #C8 (MBS2139249) PE Conjugated Antibody: APOL2 Clone #C8 (MBS2136054)
Matching Pairs	Unconjugated Antibody: APOL2 Clone #C8 (MBS2139249) APC Conjugated Antibody: APOL2 Clone #C8 (MBS2136057)
Matching Pairs	Unconjugated Antibody: APOL2 Clone #C8 (MBS2139249) Cy3 Conjugated Antibody: APOL2 Clone #C8 (MBS2136060)
Matching Pairs	Unconjugated Antibody: APOL2 Clone #C8 (MBS2139249) Biotin Conjugated Antibody: APOL2 Clone #C8 (MBS2136063)
Matching Pairs	Unconjugated Antibody: APOL2 Clone #C8 (MBS2139249) FITC Conjugated Antibody: APOL2 Clone #C8 (MBS2136066)
Matching Pairs	Unconjugated Antibody: APOL2 Clone #C8 (MBS2139249) HRP Conjugated Antibody: APOL2 Clone #C8 (MBS2136069)
Molecular Weight	37,092 Da
Chromosome Location	Chromosome: 22; NC_000022.10 (36622255..36636000, complement). Location: 22q12
OMIM	607252
3D Structure	ModBase 3D Structure for Q9BQE5

Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Immunogen Type	Prokaryotic Recombinant proteins/RP
Sequence of Immunogen	Gln186~Gln337
Conjugation	Unconjugated
Product Categories/Family for anti-APOL2 antibody	Metabolic pathway; Primary
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-APOL2 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP)
Application Notes for anti-APOL2 antibody	WB: 0.52ug/mL IHC: 520ug/mL ICC: 520ug/mL
Related Product Information for anti-APOL2 antibody	MBS2139249 is an antibody targeting APOL2. Also known as Monoclonal Antibody to Apolipoprotein L2 (APOL2). Reactive in Human, Rat. Host: Mouse.
Other Notes	Small volumes of anti-APOL2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-APOL2 antibody
Western Blot; Sample: Lane1: Human Lung lysate; Lane2: Rat Thymus lysate; Lane3: A549 cell lysate Primary Ab: 2ug/ml Mouse AntiHuman APOL2 Antibody Second Ab: 0.2ug/mL HRPLinked Caprine AntiMouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for APOL2. It may not necessarily be applicable to this product.

NCBI GI #	13562090
NCBI GeneID	23780
NCBI Accession #	NP_112092.1
UniProt Primary Accession #	Q9BQE5
UniProt Secondary Accession #	O95915; Q59GW9; Q5TH96; Q969T6; Q9BT28; Q9UGT1; Q9UH10; B0QYK7
UniProt Related Accession #	Q9BQE5
GenBank Nucleotide #	NM_030882.2
NCBI Official Full Name	apolipoprotein L2
NCBI Official Synonym Full Names	apolipoprotein L, 2

NCBI Official Symbol	APOL2
NCBI Official Synonym Symbols	APOL3; APOL-II
UniProt Protein Name	Apolipoprotein L2
UniProt Synonym Protein Names	Apolipoprotein L-II
Protein Family	Apolipoprotein
UniProt Gene Name	APOL2
UniProt Synonym Gene Names	ApoL-II
UniProt Entry Name	APOL2_HUMAN
NCBI Protein Information	apolipoprotein L2; apolipoprotein L-II
NCBI Summary for APOL2	This gene is a member of the apolipoprotein L gene family. The encoded protein is found in the cytoplasm, where it may affect the movement of lipids or allow the binding of lipids to organelles. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]
UniProt Comments for APOL2	APOL2: May affect the movement of lipids in the cytoplasm or allow the binding of lipids to organelles. Belongs to the apolipoprotein L family. Chromosomal Location of Human Ortholog: 22q12 Cellular Component: endoplasmic reticulum membrane; membrane; extracellular region Molecular Function: lipid binding; high-density lipoprotein binding; receptor binding Biological Process: cholesterol metabolic process; maternal process involved in pregnancy; multicellular organismal development; acute-phase response; lipoprotein metabolic process; lipid metabolic process; lipid transport Disease: Schizophrenia
Research Articles on APOL2	**1.** Results reveal a novel function for ApoL2 in conferring anti-apoptotic ability of human bronchial epithelium to the cytotoxic effects of IFN-gamma, in maintaining airway epithelial layer integrity.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/monoclonal-human-rat-antibody/apolipoprotein-l2-apol2/2139249