

Rabbit ApoOL Polyclonal Antibody | anti-ApoOL antibody

ApoOL Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322476	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

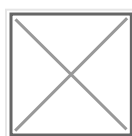
PRODUCT SYNONYMS

ApoOL; Polyclonal Antibody; ApoOL Antibody; AAIR8193; Apolipoprotein O-like; APOOL; APOOL_HUMAN; CXorf33; FAM121A; Family with sequence similarity 121A; MGC129748; Protein FAM121A; UNQ8193; anti-ApoOL antibody

PRODUCT SPECIFICATIONS

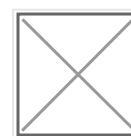
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ApoOL antibody detects endogenous levels of total ApoOL
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	268
Applicable Applications for anti-ApoOL antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ApoOL
Subcellular Location	Secreted.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (92%), Zebrafish (82%), Bovine (100%), Horse (100%), Sheep (92%), Rabbit (100%), Dog (100%), Chicken (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA322476 staining COLO205 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of ApoOL using K562 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-ApoOL antibody	Function: Component of the MICOS complex, a large protein complex of the mitochondrial inner membrane that plays crucial roles in the maintenance of crista junctions, inner membrane architecture, and formation of contact sites to the outer membrane. Specifically binds to cardiolipin (in vitro) but not to the precursor lipid phosphatidylglycerol. Plays a crucial role in crista junction formation and mitochondrial function (PubMed:23704930), (PubMed:25764979). Subunit Structure: Component of the mitochondrial contact site and cristae organizing system (MICOS) complex, composed of at least MINOS1/MIC10, CHCHD3/MIC19, CHCHD6/MIC25, APOOL/MIC27, IMMT/MIC60, APOO/MIC23/MIC26 and QIL1/MIC13. This complex was also known under the names MINOS or MitOS complex (PubMed:25764979, PubMed:25781180, PubMed:23704930, PubMed:25764979, PubMed:25781180, PubMed:25997101).The MICOS complex associates with mitochondrial outer membrane proteins SAMM50, MTX1 and MTX2 (together described as components of the mitochondrial outer membrane sorting assembly machinery (SAM) complex) and DNAJC11, mitochondrial inner membrane protein TMEM11 and with HSPA9. The MICOS and SAM complexes together with DNAJC11 are part of a large protein complex spanning both membranes termed the mitochondrial intermembrane space bridging (MIB) complex. Interacts with MINOS1/MIC10, IMMT/MIC60 and APOO/MIC23/MIC26 (PubMed:25764979, PubMed:25781180, PubMed:23704930, PubMed:25764979, PubMed:25781180, PubMed:25997101). Similarity: Belongs to the apolipoprotein O/MICOS complex subunit Mic27 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	116812610
NCBI GeneID	139322
NCBI Accession #	NP_940852.3
NCBI GenBank Nucleotide #	NM_198450.5
UniProt Accession #	Q6UXV4; Q3KNU7; Q5H9D1
Molecular Weight	Observed: 30 kDa Predicted: 30 kDa
NCBI Official Full Name	MICOS complex subunit MIC27
NCBI Official Synonym Full Names	apolipoprotein O like
NCBI Official Symbol	APOOL
NCBI Official Synonym Symbols	Mic27; CXorf33; FAM121A; UNQ8193
NCBI Protein Information	MICOS complex subunit MIC27
UniProt Protein Name	MICOS complex subunit MIC27
UniProt Gene Name	APOOL
UniProt Synonym Gene Names	CXorf33; FAM121A; MIC27

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.