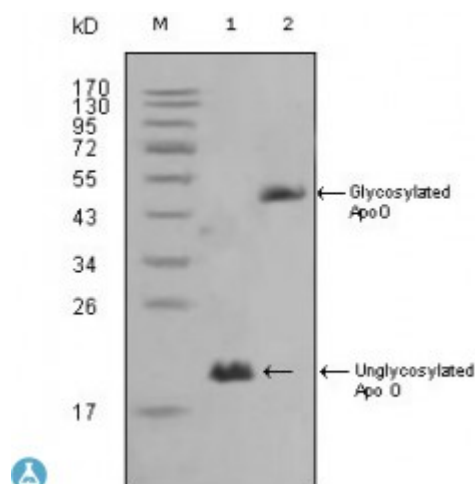


Anti-ApoO antibody



Description	Mouse monoclonal to ApoO.
Model	STJ97843
Host	Mouse
Reactivity	Human, Mouse
Applications	ELISA, IHC, WB
Immunogen	Purified recombinant fragment of ApoO expressed in E. Coli.
Gene ID	79135
Gene Symbol	APOO
Dilution range	WB 1:500-1:2000IHC 1:200-1:1000ELISA 1:10000
Specificity	ApoO Monoclonal Antibody detects endogenous levels of ApoO protein.
Tissue Specificity	Expressed in all tissues examined. Up-regulated in diabetic heart.
Purification	Affinity purification
Clone ID	2F1
Note	For Research Use Only (RUO).
Protein Name	MICOS complex subunit MIC26 Apolipoprotein O MICOS complex subunit MIC23 Protein FAM121B
Clonality	Monoclonal
Conjugation	Unconjugated
Isotype	IgG1

Formulation	Ascitic fluid containing 0.03% sodium azide.
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:28727OMIM:300753
Alternative Names	MICOS complex subunit MIC26 Apolipoprotein O MICOS complex subunit MIC23 Protein FAM121B
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. Plays a crucial role in crista junction formation and mitochondrial function . Can promote cardiac lipotoxicity by enhancing mitochondrial respiration and fatty acid metabolism in cardiac myoblasts . Promotes cholesterol efflux from macrophage cells. Detected in HDL, LDL and VLDL. Secreted by a microsomal triglyceride transfer protein (MTTP)-dependent mechanism, probably as a VLDL-associated protein that is subsequently transferred to HDL .
Cellular Localization	Mitochondrion inner membrane Secreted Mitochondrion Golgi apparatus membrane Endoplasmic reticulum membrane. Exists in three distinct forms: a glycosylated and secreted form, an ER/Golgi-resident form and a non-glycosylated mitochondrial form.
Post-translational Modifications	O-glycosylation; glycosaminoglycan of chondroitin-sulfate type.

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