

## ApoO Monoclonal Antibody

<b>Catalog No :</b>	YM0041
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	ApoO
<b>Gene Name :</b>	APOO
<b>Protein Name :</b>	Apolipoprotein O
<b>Human Gene Id :</b>	79135
<b>Human Swiss Prot No :</b>	Q9BUR5
<b>Mouse Gene Id :</b>	68316
<b>Mouse Swiss Prot No :</b>	Q9DCZ4
<b>Immunogen :</b>	Purified recombinant fragment of ApoO expressed in E. Coli.
<b>Specificity :</b>	ApoO Monoclonal Antibody detects endogenous levels of ApoO protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Monoclonal, Mouse
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:200 - 1:1000. ELISA: 1:10000.. IF 1:50-200
<b>Purification :</b>	Affinity purification
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	22kD
<b>P References :</b>	1. J Biol Chem. 2006 Nov 24;281(47):36289-302.

## Background :

This gene is a member of the apolipoprotein family. Members of this protein family are involved in the transport and metabolism of lipids. The encoded protein associates with HDL, LDL and VLDL lipoproteins and is characterized by chondroitin-sulfate glycosylation. This protein may be involved in preventing lipid accumulation in the myocardium in obese and diabetic patients. Alternative splicing results in multiple transcript variants. Pseudogenes of this gene are found on chromosomes 3, 4, 5, 12 and 16.[provided by RefSeq, Sep 2009],

## Function :

function: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. May be involved in myocardium-protective mechanisms against lipid accumulation.,PTM:O-glycosylation; glycosaminoglycan of chondroitin-sulfate type.,similarity:Belongs to the apolipoprotein O family.,tissue specificity:Expressed in all tissues examined. Up-regulated in diabetic heart.,

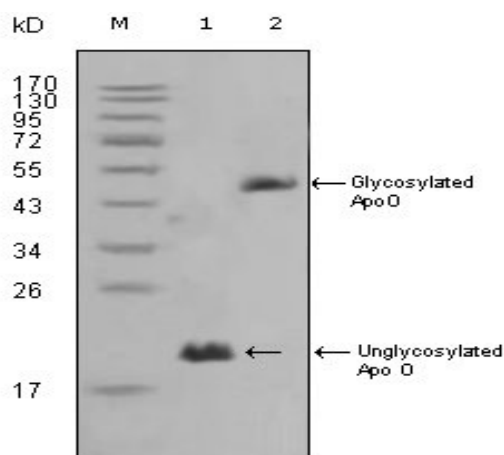
## Subcellular Location :

Mitochondrion inner membrane ; Single-pass membrane protein . 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. .

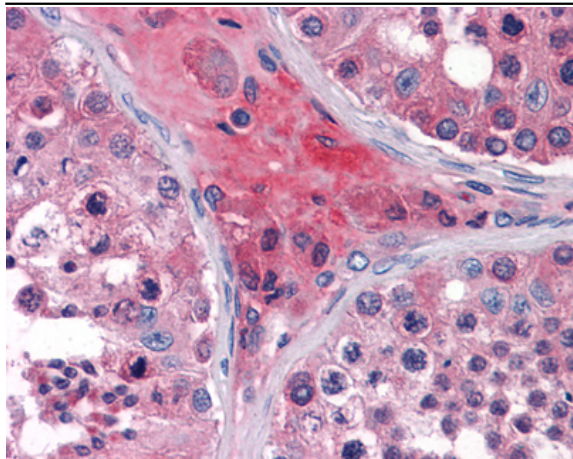
## Expression :

Expressed in all tissues examined. Up-regulated in diabetic heart.

## Products Images



Western Blot analysis using ApoO Monoclonal Antibody against HepG2 (1) and 3T3L1(2) cell lysate



Immunohistochemistry analysis of paraffin-embedded human Testis tissues with AEC staining using ApoO Monoclonal Antibody.