



ApoO Monoclonal Antibody

Catalog No	YP-Ab-00608
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;IHC;IF;ELISA
Gene Name	APOO
Immunogen	Purified recombinant fragment of ApoO expressed in E. Coli.
Specificity	ApoO Monoclonal Antibody detects endogenous levels of ApoO protein.
Formulation	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	WB: 1/500 - 1/2000. IHC: 1/200 - 1/1000. ELISA: 1/10000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ApoO;Apolipoprotein O;FAM121B;My025;Protein FAM121B
Observed Band	
Calculated Molecular Weight	
Cell Pathway	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. .
Tissue Specificity	Expressed in all tissues examined. Up-regulated in diabetic heart.
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.,



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],

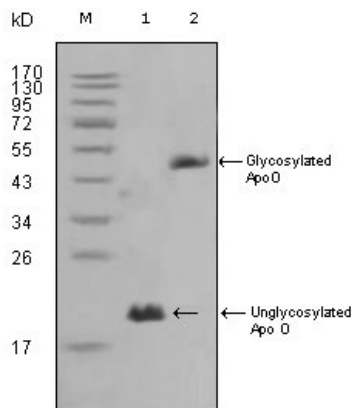
matters needing attention

Avoid repeated freezing and thawing!

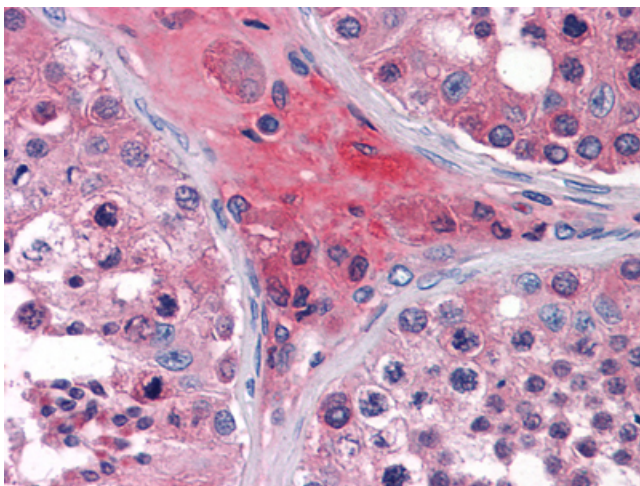
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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.