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APOA2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant APOA2.
Catalog # AT1166a

Product Information

Application	WB, IHC, E
Primary Accession	P02652
Other Accession	BC005282
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG1 kappa
Clone Names	4F3
Calculated MW	11175

Additional Information

Gene ID	336
Other Names	Apolipoprotein A-II, Apo-AII, ApoA-II, Apolipoprotein A2, Proapolipoprotein A-II, ProapoA-II, Truncated apolipoprotein A-II, Apolipoprotein A-II(1-76), APOA2
Target/Specificity	APOA2 (AAH05282, 1 a.a. ~ 100 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	APOA2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

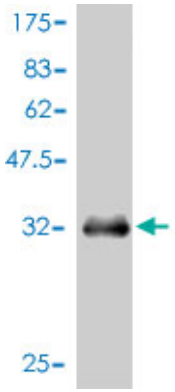
This gene encodes apolipoprotein (apo-) A-II, which is the second most abundant protein of the high density lipoprotein particles. The protein is found in plasma as a monomer, homodimer, or heterodimer with apolipoprotein D. Defects in this gene may result in apolipoprotein A-II deficiency or hypercholesterolemia.

References

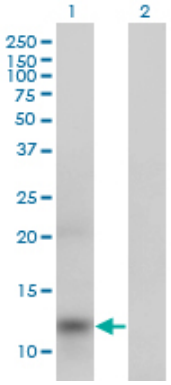
Pharmacogenetic analysis of lipid responses to rosuvastatin in Chinese patients. Hu M, et al. Pharmacogenet Genomics, 2010 Oct. PMID 20679960.Variation at the NFATC2 Locus Increases the Risk of

Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.Physiogenomic analysis of statin-treated patients: domain-specific counter effects within the ACACB gene on low-density lipoprotein cholesterol? Rua?o G, et al. Pharmacogenomics, 2010 Jul. PMID 20602615.Polymorphisms in innate immunity genes and risk of childhood leukemia. Han S, et al. Hum Immunol, 2010 Jul. PMID 20438785.No interaction between alcohol consumption and HDL-related genes on HDL cholesterol levels. Marques-Vidal P, et al. Atherosclerosis, 2010 Aug. PMID 20430392.

Images

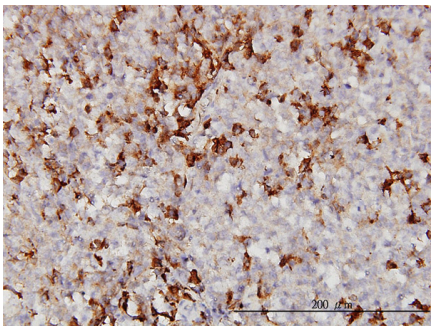


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .

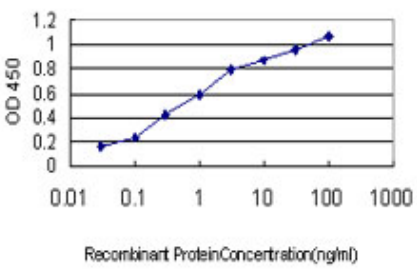


Western Blot analysis of APOA2 expression in transfected 293T cell line by APOA2 monoclonal antibody (M01), clone 4F3.

Lane 1: APOA2 transfected lysate(11.2 KDa).
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to APOA2 on formalin-fixed paraffin-embedded human malignant lymphoma, diffuse large B. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged APOA2 is approximately 0.03ng/ml as a capture antibody.