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APOA1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full-length recombinant APOA1.
Catalog # AT1165a

Product Information

Application	WB, IP, E
Primary Accession	P02647
Other Accession	BC005380
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	3A11-1A9
Calculated MW	30778

Additional Information

Gene ID	335
Other Names	Apolipoprotein A-I, Apo-AI, ApoA-I, Apolipoprotein A1, Proapolipoprotein A-I, ProapoA-I, Truncated apolipoprotein A-I, Apolipoprotein A-I(1-242), APOA1
Target/Specificity	APOA1 (AAH05380, 1 a.a. ~ 267 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IP~~N/A 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	APOA1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

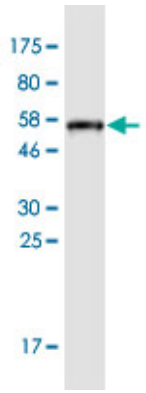
Background

This gene encodes apolipoprotein A-I, which is the major protein component of high density lipoprotein (HDL) in plasma. The protein promotes cholesterol efflux from tissues to the liver for excretion, and it is a cofactor for lecithin cholesterolacyltransferase (LCAT) which is responsible for the formation of most plasma cholesteryl esters. This gene is closely linked with two other apolipoprotein genes on chromosome 11. Defects in this gene are associated with HDL deficiencies, including Tangier disease, and with systemic non-neuropathic amyloidosis.

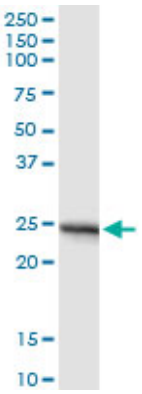
References

Effect of apolipoprotein C3 and apolipoprotein A1 polymorphisms on postprandial response to a fat overload in metabolic syndrome patients. Clemente-Postigo M, et al. Clin Biochem, 2010 Aug 18. PMID 20727869.The APOA1/C3/A4/A5 cluster and markers of allostatic load in the Boston Puerto Rican Health Study. Mattei J, et al. Nutr Metab Cardiovasc Dis, 2010 Jul 29. PMID 20674306.A genetic association study of maternal and fetal candidate genes that predispose to preterm prelabor rupture of membranes (PROM). Romero R, et al. Am J Obstet Gynecol, 2010 Jul 29. PMID 20673868.Apolipoprotein A1 gene polymorphism (G-75A and C+83T) in patients with myocardial infarction: a pilot study in a north Indian population. Dawar R, et al. Am J Clin Pathol, 2010 Aug. PMID 20660328.Maternal genes and facial clefts in offspring: a comprehensive search for genetic associations in two population-based cleft studies from Scandinavia. Jugessur A, et al. PLoS One, 2010 Jul 9. PMID 20634891.

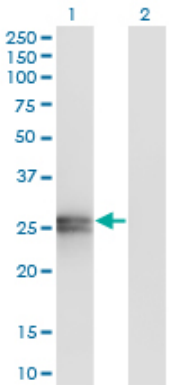
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (55.11 KDa) .



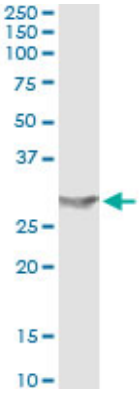
APOA1 monoclonal antibody (M01), clone 3A11-1A9. Western Blot analysis of APOA1 expression in human kidney.

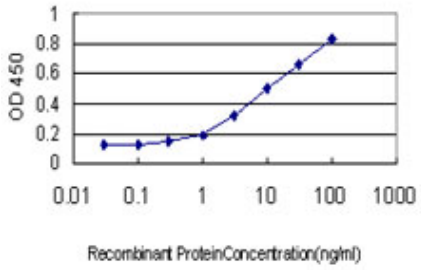


Western Blot analysis of APOA1 expression in transfected 293T cell line by APOA1 monoclonal antibody (M01), clone 3A11-1A9.

Lane 1: APOA1 transfected lysate (Predicted MW: 30.8 KDa).
Lane 2: Non-transfected lysate.

Immunoprecipitation of APOA1 transfected lysate using anti-APOA1 monoclonal antibody and Protein A Magnetic Bead (U0007), and immunoblotted with APOA1 MaxPab rabbit polyclonal antibody.





Detection limit for recombinant GST tagged APOA1 is approximately 0.03ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.