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APOL3 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant APOL3.
Catalog # AT1170a

Product Information

Application	WB, E
Primary Accession	O95236
Other Accession	NM_145640
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	4E6
Calculated MW	44278

Additional Information

Gene ID	80833
Other Names	Apolipoprotein L3, Apolipoprotein L-III, ApoL-III, TNF-inducible protein CG12-1, CG12_1, APOL3
Target/Specificity	APOL3 (NP_663615, 240 a.a. ~ 336 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 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	APOL3 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

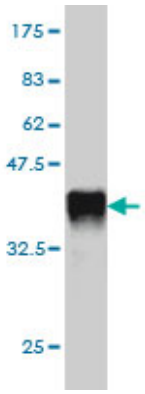
This gene is a member of the apolipoprotein L gene family, and it is present in a cluster with other family members on chromosome 6. The encoded protein is found in the cytoplasm, where it may affect the movement of lipids, including cholesterol, and/or allow the binding of lipids to organelles. In addition, expression of this gene is up-regulated by tumor necrosis factor-alpha in endothelial cells lining the normal and atherosclerotic iliac artery and aorta. Alternative splicing results in multiple transcript variants.

References

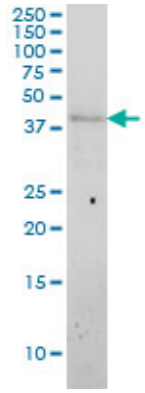
Family-based association analysis of 42 hereditary prostate cancer families identifies the Apolipoprotein L3

region on chromosome 22q12 as a risk locus. Johanneson B, et al. Hum Mol Genet, 2010 Oct 1. PMID 20631155.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.Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.New genetic associations detected in a host response study to hepatitis B vaccine. Davila S, et al. Genes Immun, 2010 Apr. PMID 20237496.Identifying leukocyte gene expression patterns associated with plasma lipid levels in human subjects. Ma J, et al. Atherosclerosis, 2007 Mar. PMID 16806233.

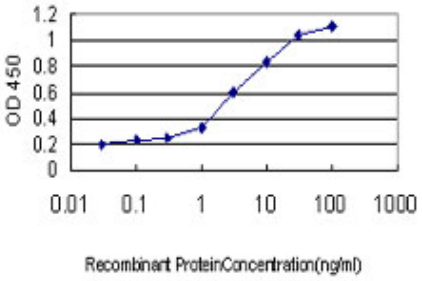
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.41 KDa) .



APOL3 monoclonal antibody (M01), clone 4E5 Western Blot analysis of APOL3 expression in Jurkat ((Cat # AT1170a)



Detection limit for recombinant GST tagged APOL3 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'.