Monoclonal Antibody to ApoM

Cat. #: Pab-607032

Description:
ApoM(apolipoprotein M,also designated G3a or NG20),with 188-amino acid protein(about 21kDa),is an apolipoprotein and member of the lipocalin protein family. The Apo-proteins are involved in the specific binding of cellular receptors, the regulation of lipolytic enzymes, and the process of lipid exchange. The encoded protein is secreted through the plasma membrane but remains membrane-bound, where it is involved in lipid transport. The N-terminal region of Apo-M contains hydrophobic residues that may promote association with the phospholipid layer of lipoprotein particles. In vitro,Apo-M is glycosylated when translated in the presence of microsomes, and remains associated with the microsomes after carbonate treatment.Apo-M is expressed in liver and kidney, and is secreted into the bloodstream in HDLs,and also found in triglyceride-rich lipoproteins and LDLs.

Immunogen/Specificity:
Ni-NTA purified full-length recombinant ApoM.trx expressed in E. Coli strain BL21 (DE3)

Applications :
Western Blot: 1: 500- 1: 2,000
IF: 1: 200- 1: 1,000
ELISA: Propose dilution 1: 10,000.
Determining optimal working dilutions by titration test.

Formulation
Antibodies are purified by protein A affinity chromatography

Reference:
1. Xu, N. & Dahlback, B. 1999 J. Biol. Chem. 274:31286
2. Duan J, Dahlback B, Villoutreix BO.FEBS Lett. 2001 Jun 15;499(1-2):127-32.
3. Xu,N., Nilsson-Ehle,P. & Ahren,B. 2004. J. Nutr.Biochem. 15 (10):579-582
4. Zhang,X.Y. ,et al.2004. Acta Histochem. 106 (2):123-128

Clone Number: 8F12C6B8
Isotype: IgG1 & IgG2b
Species: Human
Storage and Stability: stored at -20 C

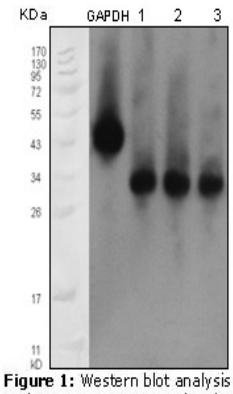

Figure 1: Western blot analysis using anti-Human ApoM monoclonal antibody against human serum (lane 1,lane 2,lane 3).

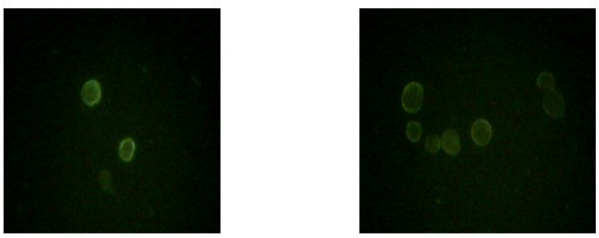

Figure 2: Immunofluorescence analysis of L-02 cells and COS-7 cells,showing cytomembrane localization using ApoM.trx antibody.

Tel. (650)-964-2589, Fax. (650)964-2519 info@antageneinc.com, 1391 Old Middlefield Way, Suite K Mountain View, CA 94043