

Anti-APOA5(Apolipoprotein A-V) Polyclonal Antibody

Cat. #: 60B726

Description:

APOA5(Apolipoprotein A-V) is a minor apolipoprotein mainly associated with HDL and to a lesser extent with VLDL. APOA5 may also be associated with chylomicrons. APOA5 is an important determinant of plasma triglyceride (TG) levels by both being a potent stimulator of apo-CII lipoprotein lipase (LPL) TG hydrolysis and a inhibitor of the hepatic VLDL-TG production rate (without affecting the VLDL-apoB production rate). Three common alleles are known: allele APOA5*1, APOA5*2 and APOA5*3. The APOA5*2 haplotype, which consists of 3 non-coding SNPs, is present in approximately 16% of Caucasians and is associated with increased plasma triglyceride concentrations. APOA5*3 haplotype is defined by the rare Ser-19-Trp substitution. Together, the APOA5*2 and APOA5*3 haplotypes are found in 25 to 50% of African Americans, Hispanics, and Caucasians.

Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to N-terminal residues of human APOA5 (Apolipoprotein A-V precursor)

References

van der Vliet,H.N., et al, J. Biol. Chem. 276 (48), 44512-44520 (2001)
Fullerton,S.M., et al, Hum. Genet. 115 (1), 36-56 (2004)
Pennacchio,L.A., et al, Science 294 (5540), 169-173 (2001)
Prieur,X., et al, J. Biol. Chem. 278 (28), 25468-25480 (2003)
Beckstead,J.A., et al, Biochemistry 42 (31), 9416-9423 (2003)
Weinberg,R.B., et al, J. Biol. Chem. 278 (36), 34438-34444 (2003)
O'Brien,P.J., et al, Clin. Chem. 51 (2), 351-359 (2005)
Vrablik,M., et al, J. Med. Genet. 40 (8), E105 (2003)

Species: human, mouse, rat

Storage and Stability: at -20oC

Storage buffer:

This antibody is stored in PBS, 0.01% sodium azide and 50% glycerol.

Preparation:

Purified by antigen-specific affinity chromatography.

Applications :

ELISA

Western Blotting (1µg/ml for 2hrs)