

Anti-MTP (Microsomal triglyceride transfer protein large subunit) Polyclonal Antibody

Cat. #: 60B718

Description:

MTP (Microsomal triglyceride transfer protein large subunit) catalyzes the transport of triglyceride, cholesteryl ester, and phospholipid between phospholipid surfaces. MTP is required for the secretion of plasma lipoproteins that contain apolipoprotein B. It is positively regulated by cholesterol and negatively regulated by insulin. Defects in MTP are the cause of abetalipoproteinemia (ABL). ABL is an autosomal recessive disorder of lipoprotein metabolism. Affected individuals produce virtually no circulating apolipoprotein B-containing lipoproteins (chylomicrons, VLDL, LDL, lipoprotein(A)). Malabsorption of the antioxidant vitamin E occurs, leading to spinocerebellar and retinal degeneration.

Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to N-terminal residues of human MTP (Microsomal triglyceride transfer protein large subunit precursor)

References

- Shoulders,C.C., et al, Hum. Mol. Genet. 2 (12), 2109-2116 (1993)
Sharp,D., et al, Nature 365 (6441), 65-69 (1993)
Sharp,D., et al, Biochemistry 33 (31), 9057-9061 (1994)
Narcisi,T.M.E., et al, Am. J. Hum. Genet. 57 (6), 1298-1310 (1995)
Shoulders,C.C., et al, Nat. Struct. Biol. 1 (5), 285-286 (1994)
Hagan,D.L., et al, J. Biol. Chem. 269 (46), 28737-28744 (1994)
Rehberg,E.F., et al, J. Biol. Chem. 271 (47), 29945-29952 (1996)
Ohashi,K., et al, J. Lipid Res. 41 (8), 1199-1204 (2000)
Ledmyr,H., et al, J. Lipid Res. 43 (1), 51-58 (2002)

Clone Number:

Isotype:

Species: human, mouse

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)