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CETP Rabbit pAb

Catalog # AP96877

Product Information

Application	WB
Primary Accession	P11597
Other Accession	P11597
Reactivity	Mouse
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54756
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CETP
Epitope Specificity	355-450/493
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the BPI/LBP/Plunc superfamily. BPI/LBP family.
DISEASE	Defects in CETP are the cause of hyperalphalipoproteinemia type 1 (HALP1) [MIM:143470]. Affected individuals show high levels of alpha-lipoprotein (high density lipoprotein/HDL).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	High density lipoproteins (HDLs) have been proposed to function jointly with lecithin:cholesterol acyltransferase and CETP to facilitate cholesterol transport from tissues to the liver. This mechanism, referred to as reverse cholesterol transport, is physiologically important because it maintains systemic cholesterol levels. CETP is responsible for neutral lipid transfer activity in plasma in numerous species. Since CETP is able to accelerate specifically the exchange of lipid components between pro- and anti-atherogenic lipoprotein fractions, it may be a key determinant of the global atherogenicity of the plasma lipoprotein profile and arises as a possible target in atherosclerosis prevention. CETP has an important role in reverse cholesterol transport and shaping and affecting the composition of plasma lipoproteins. In general elevated levels of CETP have been associated with increased risk of coronary heart disease.

Additional Information

Gene ID	1071
Other Names	BPIFF; HDLCQ10; CETP_HUMAN; CETP; Lipid transfer protein I; CETP_RABIT; cholesteryl ester transfer protein; cholesteryl ester transfer protein, plasma; BPI fold containing family F
Dilution	WB=1:500-2000

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	CETP (HGNC:1869)
Function	Involved in the transfer of neutral lipids, including cholesteryl ester and triglyceride, among lipoprotein particles. Allows the net movement of cholesteryl ester from high density lipoproteins/HDL to triglyceride-rich very low density lipoproteins/VLDL, and the equimolar transport of triglyceride from VLDL to HDL (PubMed:24293641, PubMed:3281933, PubMed:3600759). Regulates the reverse cholesterol transport, by which excess cholesterol is removed from peripheral tissues and returned to the liver for elimination (PubMed:17237796).
Cellular Location	Secreted. Note=Secreted in plasma
Tissue Location	Expressed by the liver and secreted in plasma.

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