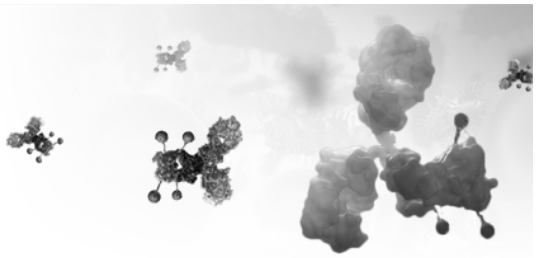

Mouse anti-Human APOC2 monoclonal antibody, clone 4F5 (CABT-B9774)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	APOC2 (AAH05348, 23 a.a. ~ 102 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	4F5
Conjugate	Unconjugated
Applications	WB,ELISA
Sequence Similarities	TQQPQQDEMPSPTLLTQVKESLSSYWESAKTAAQNLYEKTYLPAVDEKLRDLYSKSTAAM STYTGIFTDQVLSVLKGEE*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	This gene encodes a lipid-binding protein belonging to the apolipoprotein gene family. The protein is secreted in plasma where it is a component of very low density lipoprotein. This

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	protein activates the enzyme lipoprotein lipase, which hydrolyzes triglycerides and thus provides free fatty acids for cells. Mutations in this gene cause hyperlipoproteinemia type IB, characterized by hypertriglyceridemia, xanthomas, and increased risk of pancreatitis and early atherosclerosis. This gene is present in a cluster with other related apolipoprotein genes on chromosome 19. Naturally occurring read-through transcription exists between this gene and the neighboring upstream apolipoprotein C-IV (APOC4) gene. [provided by RefSeq, Mar 2011]
Keywords	APOC2; apolipoprotein C-II; APO-CII; APOC-II; apolipoprotein C2;

GENE INFORMATION

Entrez Gene ID	344
UniProt ID	P02655
Pathway	Chylomicron-mediated lipid transport, organism-specific biosystem; HDL-mediated lipid transport, organism-specific biosystem; Lipid digestion, mobilization, and transport, organism-specific biosystem; Lipoprotein metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; Statin Pathway, organism-specific biosystem
Function	enzyme activator activity; lipase inhibitor activity; lipid binding; lipoprotein lipase activator activity; phospholipase activator activity; phospholipase binding; protein homodimerization activity

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