



Anti-APOC2 (aa 23-101) polyclonal antibody (DPAB-DC1669)

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

PRODUCT INFORMATION

Antigen Description	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 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.
Immunogen	APOC2 (AAH05348, 23 a.a. ~ 101 a.a) partial recombinant protein with GST tag. The sequence is TQQPQQDEMPSTLLTQVKESLSSYWESAKTAAQNLYEKTYLPAVDEKLRDLYSKSTAAM STYTGIFTDQVLSVLKGEE
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	APOC2 apolipoprotein C-II [Homo sapiens (human)]
Official Symbol	APOC2
Synonyms	APOC2; apolipoprotein C-II; APO-CII; APOC-II; apolipoprotein C2;
Entrez Gene ID	344
Protein Refseq	NP_000474
UniProt ID	A0A024R0T9
Chromosome Location	19q13.2
Pathway	Chylomicron-mediated lipid transport; Diseases associated with visual transduction; Lipid digestion, mobilization, and transport; Metabolism
Function	lipase inhibitor activity; lipid binding; lipoprotein lipase activator activity; phospholipase activator activity