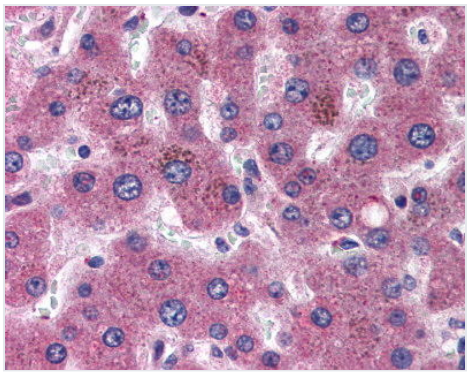
APOC1 Antibody – Goat Polyclonal

PRODUCT OVERVIEW

Product Name	APOC1, Polyclonal Antibody
Full Product Name	APOC1, CT (Apolipoprotein C-I, Apo-CIB, ApoC-IB, Apolipoprotein C1, APOC1B)
Product Gene Name	anti-APOC1 antibody
Product Synonym Names	Anti -APOC1, CT (Apolipoprotein C-I, Apo-CIB, ApoC-IB, Apolipoprotein C1, APOC1B)
Clonality	Polyclonal
Host	Goat
Species Reactivity	Human
Form/Format	Supplied as a liquid in TBS, pH 7.3, 0.5% BSA, 0.02% sodium azide.
Purity/Purification	Affinity Purified Purified by immunoaffinity chromatography.
Specificity	Recognizes human APOC1.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	9,332 Da
Chromosome Location	Chromosome: 19; NC_000019.9 (45417577..45422606). Location: 19q13.2
OMIM	107710
3D Structure	ModBase 3D Structure for P02654
Immunogen	Synthetic peptide corresponding to C-ETFQKVKEKLKIDS from the C-terminal of human APOC1.
Product Categories/Family for anti-APOC1 antibody	Antibodies; Abs to Lipoproteins
Applications Tested/Suitable for anti-APOC1 antibody	ELISA (EL/EIA), Immunohistochemistry (IHC)
Application Notes for anti-APOC1 antibody	Suitable for use in ELISA and Immunohistochemistry. Dilution: ELISA: 1:8000 Immunohistochemistry (Formalin-fixed, paraffin-embedded): 3.75ug/ml
Related Product Information for anti-APOC1 antibody	APOC1 is a member of the apolipoprotein C1 family. This protein is expressed primarily in the liver, and it is activated when monocytes differentiate into macrophages.
Other Notes	Small volumes of anti-APOC1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for APOC1 purchase	MBS647205 is an antibody targeting APOC1. Also known as APOC1, CT (Apolipoprotein C-I, Apo-CIB, ApoC-IB, Apolipoprotein C1, APOC1B). Reactive in Human. Host: Goat.



Immunohistochemistry (IHC) of anti-APOC1 antibody
Human Liver (formalin-fixed, paraffin-embedded) stained with APOC1 antibody at 3.75ug/ml followed by biotinylated goat IgG secondary antibody alkaline phosphatase-streptavidin and chromogen.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for APOC1. It may not necessarily be applicable to this product.

NCBI GI #	4502157
NCBI GeneID	341
NCBI Accession #	NP_001636.1
UniProt Primary Accession #	P02654
UniProt Secondary Accession #	Q6IB97
UniProt Related Accession #	P02654
GenBank Nucleotide #	NM_001645.3
NCBI Official Full Name	apolipoprotein C-I
NCBI Official Synonym Full Names	apolipoprotein C-I
NCBI Official Symbol	APOC1
UniProt Protein Name	Apolipoprotein C-I
UniProt Synonym Protein Names	Apolipoprotein C1
Protein Family	Apolipoprotein
UniProt Gene Name	APOC1
UniProt Entry Name	APOC1_HUMAN
NCBI Protein Information	apolipoprotein C-I; apo-CIB; apoC-IB; apolipoprotein C1
NCBI Summary for APOC1	The protein encoded by this gene is a member of the apolipoprotein C1 family. This gene is expressed primarily in the liver, and it is activated when monocytes differentiate into macrophages. A pseudogene of this gene is located 4 kb downstream in the same orientation, on the same chromosome. This gene is mapped to chromosome 19, where it resides within a apolipoprotein gene cluster. Alternatively spliced transcript variants have been found for this gene, but the biological validity of some variants has not been determined. [provided by RefSeq, Jul 2008]

UniProt Comments for APOC1	Function: Appears to modulate the interaction of APOE with beta-migrating VLDL and inhibit binding of beta-VLDL to the LDL receptor-related protein. Binds free fatty acids and reduces their intracellular esterification. Ref.13 Subcellular location: Secreted. Tissue specificity: Synthesized mainly in liver and to a minor degree in intestine. Secreted in plasma. Miscellaneous: Apolipoprotein C-I is present in acidic (APOC1A) and basic (APOC1B) forms in P.paniscus, P.abelii and P.troglodytes and perhaps also in baboons and macaques. In human, the acidic form has become a pseudogene. Apo-CI makes up about 10% of the protein of the VLDL (very low density lipoprotein) and 2% of that of HDL (high density lipoprotein). Sequence similarities: Belongs to the apolipoprotein C1 family.
Research Articles on APOC1	**1.** Linkage disequilibrium between APOC1 and TOMM40 is found in patients with primary progressive aphasia but not in controls or patients with frontotemporal dementia.
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