



ApoA-IV Monoclonal Antibody

Catalog No	YP-mAb-00599
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	APOA4
Protein Name	Apolipoprotein A-IV
Immunogen	Purified recombinant fragment of ApoA-IV (aa21-396) expressed in E. Coli.
Specificity	ApoA-IV Monoclonal Antibody detects endogenous levels of ApoA-IV protein.
Formulation	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/500 - 1/2000.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	APOA4; Apolipoprotein A-IV; Apo-AIV; ApoA-IV; Apolipoprotein A4
Observed Band	45kD
Cell Pathway	Secreted.
Tissue Specificity	Synthesized primarily in the intestine and secreted in plasma.
Function	domain:Nine of the thirteen 22-amino acid tandem repeats (each 22-mer is actually a tandem array of two, A and B, related 11-mers) occurring in this sequence are predicted to be highly alpha-helical, and many of these helices are amphipathic. They may therefore serve as lipid-binding domains with lecithin:cholesterol acyltransferase (LCAT) activating abilities.,function:May have a role in chylomicrons and VLDL secretion and catabolism. Required for efficient activation of lipoprotein lipase by ApoC-II; potent activator of LCAT. ApoA-IV is a major component of HDL and chylomicrons.,online information:The Singapore human mutation and polymorphism database,polymorphism:Eight alleles have been characterized (APOA-IV*0 to APOA-IV*7). APOA-IV*1 is the major allele (90%), APOA-IV*2 is also common (8%), the others are rare alleles.,similarity:Belongs to the apolipoprotein A1/A4/E family.,tissue
Background	Apolipoprotein (apo) A-IV gene contains 3 exons separated by two introns. A sequence polymorphism has been identified in the 3'UTR of the third exon. The primary translation product is a 396-residue preprotein which after proteolytic processing is secreted its primary site of synthesis, the intestine, in association



with chylomicron particles. Although its precise function is not known, apo A-IV is a potent activator of lecithin-cholesterol acyltransferase in vitro. [provided by RefSeq, Jul 2008],

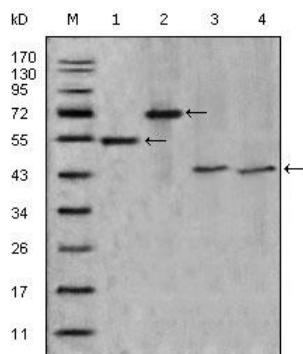
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis using ApoA-IV Monoclonal Antibody against truncated APOA4-His recombinant protein (1),truncated APOA4(aa21-396)-hIgGFc transfected CHO-K1 cell lysate(2),human serum (3) and human plasma (4).