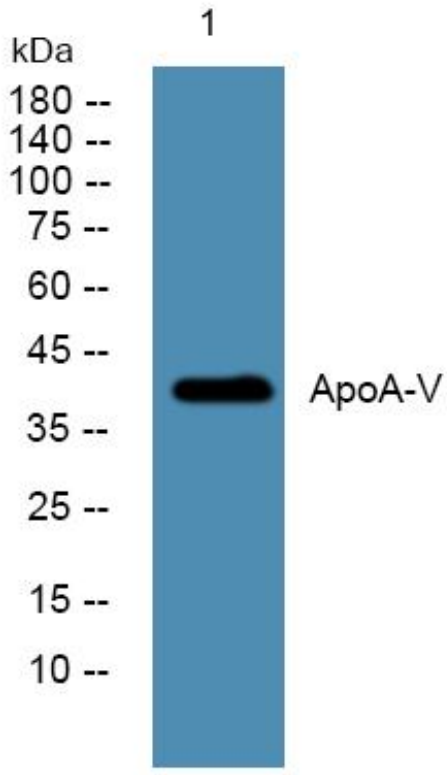
ApoA-V Monoclonal Antibody

Catalog No	YP-mAb-00665
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	APOA5
Protein Name	Apolipoprotein A-V
Immunogen	Synthesized peptide derived from ApoA-V . at AA range: 30-110
Specificity	ApoA-V Monoclonal Antibody detects endogenous levels of ApoA-V protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	APOA5; RAP3; Apolipoprotein A-V; Apo-AV; ApoA-V; Apolipoprotein A5; Regeneration-associated protein 3
Observed Band	41kD
Cell Pathway	Secreted . Early endosome . Late endosome . Golgi apparatus, trans-Golgi network . In the presence of SORL1, internalized to early endosomes, sorted in a retrograde fashion to late endosomes, from which a portion is sent to lysosomes and degradation, another portion is sorted to the trans-Golgi network. .
Tissue Specificity	Liver and plasma.
Function	caution:It is uncertain whether Met-1 or Met-4 is the initiator.,disease:Defects in APOA5 are a cause of hyperlipoproteinemia type 5 [MIM:144650]. Hyperlipoproteinemia type 5 is characterized by increased amounts of chylomicrons and very low density lipoprotein (VLDL) and decreased low density lipoprotein (LDL) and high density lipoprotein (HDL) in the plasma after a fast. Numerous conditions cause this phenotype, including insulin-dependent diabetes mellitus, contraceptive steroids, alcohol abuse, and glycogen storage disease type 1A (GSD1A) [MIM:232200].,disease:Defects in APOA5 are a cause of susceptibility to familial hypertriglyceridemia [MIM:145750]. It is a coronary heart disease risk factor. On a regular diet the patient demonstrates increased plasma VLDL. Plasma triglycerides are persistently increased, while plasma cholesterol and phospholipids are usually within normal limits.

Background	The protein encoded by this gene is an apolipoprotein that plays an important role in regulating the plasma triglyceride levels, a major risk factor for coronary artery disease. It is a component of high density lipoprotein and is highly similar to a rat protein that is upregulated in response to liver injury. Mutations in this gene have been associated with hypertriglyceridemia and hyperlipoproteinemia type 5. This gene is located proximal to the apolipoprotein gene cluster on chromosome 11q23. Alternatively spliced transcript variants encoding the same protein have been identified. [provided by RefSeq, Oct 2009],
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 of various cells using ApoA-V Monoclonal Antibody