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Apolipoprotein A1 Antibody

Rabbit mAb
Catalog # AP90592

Product Information

Application	WB, IHC, IF, ICC, IP, IHF
Primary Accession	P02647
Reactivity	Human, Mouse
Clonality	Monoclonal
Other Names	APOA1; MGC117399; Apo-AI; ApoA-I; APOAI; Apolipoprotein A1;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	30778

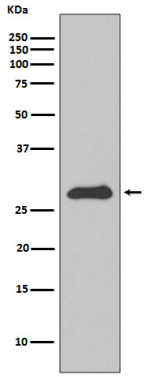
Additional Information

Dilution	WB 1:5000~1:10000 IHC 1:50~1:200 ICC/IF 1:50~1:200 IP 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Apolipoprotein A1
Description	ApoAI (Apolipoprotein A1) is a major component of high density lipoprotein (HDL, the “good cholesterol”) in plasma. It is produced in the liver and small intestine. ApoA1 is a cofactor for lecithin cholesterolacyltransferase (LCAT) that is responsible for the formation of plasma cholesteryl esters and promotes cholesterol efflux from tissues to the liver for excretion.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	APOA1 (HGNC:600)
Function	Participates in the reverse transport of cholesterol from tissues to the liver for excretion by promoting cholesterol efflux from tissues and by acting as a cofactor for the lecithin cholesterol acyltransferase (LCAT). As part of the SPAP complex, activates spermatozoa motility.
Cellular Location	Secreted.
Tissue Location	Major protein of plasma HDL, also found in chylomicrons. Synthesized in the liver and small intestine. The oxidized form at Met-110 and Met-136 is increased in individuals with increased risk for coronary artery disease, such as in carrier of the eNOSa/b genotype and exposure to cigarette smoking. It is also present in increased levels in aortic lesions relative to native ApoA-I and increased levels are seen with increasing severity of disease

Images



Western blot analysis of Apolipoprotein A1 expression in HepG2 cell lysate.