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Anti-Apolipoprotein A5 Antibody

Catalog # AP60839

Product Information

Application	WB, IF/IC
Primary Accession	Q6Q788
Reactivity	Human, Mouse, Rat, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41213

Additional Information

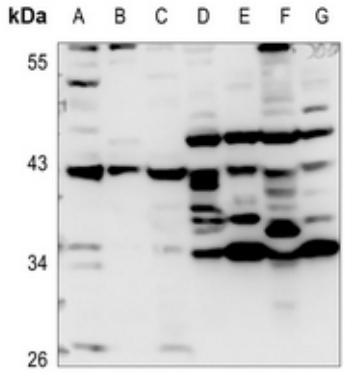
Gene ID	116519
Other Names	RAP3; Apolipoprotein A-V; Apo-AV; ApoA-V; Apolipoprotein A5; Regeneration-associated protein 3
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Apolipoprotein A5. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/2000) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

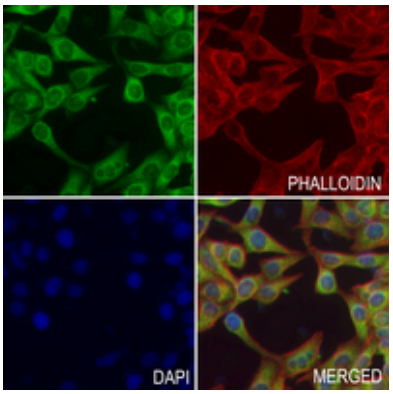
Name	APOA5
Synonyms	RAP3
Function	Minor apolipoprotein mainly associated with HDL and to a lesser extent with VLDL. May also be associated with chylomicrons. Important determinant of plasma triglyceride (TG) levels by both being a potent stimulator of apo-CII lipoprotein lipase (LPL) TG hydrolysis and an inhibitor of the hepatic VLDL-TG production rate (without affecting the VLDL-apoB production rate) (By similarity). Activates poorly lecithin:cholesterol acyltransferase (LCAT) and does not enhance efflux of cholesterol from macrophages. Binds heparin (PubMed:17326667).
Cellular Location	Secreted. Early endosome. Late endosome. Golgi apparatus, trans-Golgi network. Note=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 Location	Liver and plasma.

Images



Western blot analysis of Apolipoprotein A5 expression in HEK293T (A), H446 (B), Jurkat (C), mouse liver (D), mouse heart (E), rat liver (F), rat heart (G) whole cell lysates. (Predicted band size: 41 kD; Observed band size: 41 kD)



Immunofluorescent analysis of Apolipoprotein A5 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.