

Datasheet for ABIN1724647

anti-APOA5 antibody



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Overview

Quantity:	100 µL
Target:	APOA5
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This APOA5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified recombinant fragment of human ApoA5 expressed in E. coli.
Clone:	2G1H11
Isotype:	IgG1
Purification:	purified

Target Details

Target:	APOA5
Alternative Name:	APOA5 (APOA5 Products)
Background:	Description: Apolipoprotein A5 (ApoA5) is fast gaining attention as a key regulator of serum triglyceride concentrations. An ApoA5 mouse knock-out model produced an approximately four fold increase in serum triglycerides, whereas a knock-in model with human ApoA5 produced 50-70 % lower concentrations of mouse serum triglycerides. In addition, peroxisome proliferator-

Target Details

activated receptor- agonists, which are used clinically to lower serum triglyceride concentrations, cause increased ApoA5 mRNA expression. Despite these compelling molecular biology data, relatively little is known about ApoA5 protein in human serum. This antibody pair detected recombinant apoA5 protein in sandwich ELISA format and could be potential reagents for the development of clinical diagnostic kits.

Aliases: RAP3, APOAV, APOA-V, MGC126836, MGC126838

Gene ID: 116519

HGNC: 116519

Pathways: [Regulation of Lipid Metabolism by PPARalpha](#), [Lipid Metabolism](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: 1:200 - 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified antibody in PBS containing 0.03 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

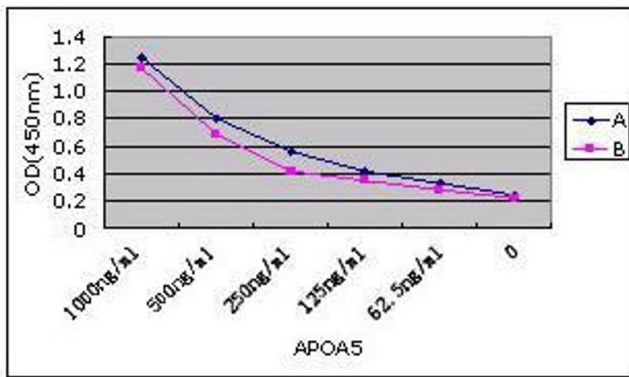
Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

Publications

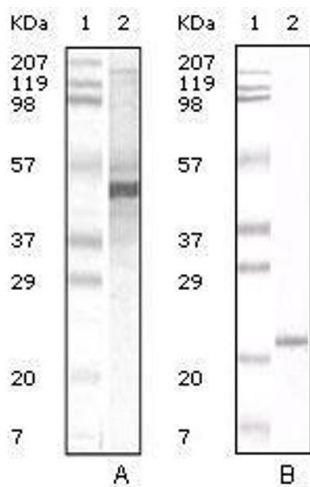
Product cited in: Nunez, Siegal, Reddy, Wei: "CD138 (syndecan-1) expression in bone-forming tumors." in: **American journal of clinical pathology**, Vol. 137, Issue 3, pp. 423-8, (2012) ([PubMed](#)).

Karasneh, Ali, Shukla: "An important role for syndecan-1 in herpes simplex virus type-1 induced cell-to-cell fusion and virus spread." in: **PLoS ONE**, Vol. 6, Issue 9, pp. e25252, (2011) ([PubMed](#)).



Immunocytochemistry

Image 1. Sandwich ELISA using antibody pair to detect APOA5 protein.



Western Blotting

Image 2. Western blot analysis using ApoA5 mouse mAb against human serum (A) and ApoA5 recombinant protein (B).