

Datasheet for ABIN7602720
anti-APOA5 antibody (AA 99-217)



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Overview

Quantity:	100 µg
Target:	APOA5
Binding Specificity:	AA 99-217
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This APOA5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Apolipoprotein A V/APOA5 Antibody Picoband®
Immunogen:	E.coli-derived human Apolipoprotein A V/APOA5 recombinant protein (Position: E99-A217).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Apolipoprotein A V/APOA5 Antibody Picoband® (ABIN7602720). Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Human, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	APOA5
Alternative Name:	APOA5 (APOA5 Products)
Background:	Synonyms: P-selectin, CD62 antigen-like family member P, Granule membrane protein 140, GMP-140, Leukocyte-endothelial cell adhesion molecule 3, LECAM3, Platelet activation dependent granule-external membrane protein, PADGEM, CD62P, Selp, Grmp Tissue Specificity: Stored in the alpha-granules of platelets and Weibel-Palade bodies of endothelial cells. Upon cell activation by agonists, P-selectin is transported rapidly to the cell surface. Background: Apolipoprotein A-V is a protein that in humans is encoded by the APOA5 gene. 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.
Molecular Weight:	45 kDa
Gene ID:	116519
UniProt:	Q6Q788
Pathways:	Regulation of Lipid Metabolism by PPARalpha , Lipid Metabolism

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human, Rat ELISA, 0.1-0.5 µg/mL, - 1.Caussy, C., Charriere, S., Marcais, C., Di Filippo, M., Sassolas, A., Delay, M., Euthine, V., Jalabert, A., Lefai, E., Rome, S., Moulin, P. An APOA5 3-prime UTR variant associated with plasma triglycerides triggers APOA5 downregulation by creating a functional miR-485-5p binding site. Am. J. Hum. Genet. 94: 129-134, 2014. 2.Do, R., Stitzel, N. O., Won, H.-H., Berg Jorgensen, A., Duga, S., Merlini, P. A., Kiezun, A., Farrall, M., Goel, A., Zuk, O., Guella, I., Asselta, R., and 82 others. Exome sequencing identifies rare LDLR and APOA5 alleles conferring risk for myocardial infarction. Nature 518: 102-106, 2015. 3.Endo, K., Yanagi, H., Araki, J., Hirano, C., Yamakawa-Kobayashi, K., Tomura, S. Association found between the promoter region polymorphism in the
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Application Details

	apolipoprotein A-V gene and the serum triglyceride level in Japanese schoolchildren. Hum. Genet. 111: 570-572, 2002.
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Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na2HPO4.
Storage:	4 °C, -20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.