

Datasheet: AHP1267

Description:	GOAT ANTI HUMAN APOLIPOPROTEIN B
Specificity:	APOLIPOPROTEIN B
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			■	
Immunohistology - Frozen			■	
Immunohistology - Paraffin			■	
ELISA	■			1/2000 - 1/10,000
Immunoprecipitation	■			
Western Blotting	■			1/200 - 1/1000
Functional Assays			■	

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to Apolipoprotein B were raised by repeated immunisations of goats with highly purified antigen. Purified IgG prepared by affinity chromatography.
Buffer Solution	Borate buffered saline
Preservative Stabilisers	0.01% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Apolipoprotein type B, isolated from human plasma by density gradient centrifugation followed by HPLC purification.
External Database Links	UniProt:

Entrez Gene:

[338](#) APOB [Related reagents](#)

Specificity	Goat anti Human Apolipoprotein B antibody detects human Apolipoprotein B (ApoB), a large secretory protein with a molecular weight of ~550 kDa that plays a central role in lipoprotein metabolism. ApoB exists in the plasma in 2 main isoforms, ApoB100 and ApoB48. ApoB100 is synthesised in the liver, and is the major apolipoprotein of very low density, intermediate density and low density lipoproteins (LDL), and is absolutely required for their formation. ApoB100 acts as a ligand for LDL receptors in various cells throughout the body, allowing cells to internalise LDL and absorb cholesterol. ApoB48 is expressed in the intestine and is present on chylomicrons and their remnants, and lacks the C-terminal LDL-receptor binding region of ApoB100. Elevated plasma concentrations of ApoB containing lipoproteins are key risk factors for the development of atherosclerosis.
Western Blotting	AHP1267 detects a band of approximately 550kDa.
Further Reading	1. Olofsson, S.O. & Borén, J. (2005) Apolipoprotein B: a clinically important apolipoprotein which assembles atherogenic lipoproteins and promotes the development of atherosclerosis. J Intern Med. 258 (5): 395-410. 2. Walldius, G. & Jungner, I. (2004) Apolipoprotein B and apolipoprotein A-I: risk indicators of coronary heart disease and targets for lipid-modifying therapy. J Intern Med. 255 (2): 188-205.
Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10077 available at: 10077: https://www.bio-rad-antibodies.com/uploads/MSDS/10077.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

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