Datasheet for ABIN6963945

anti-APOB antibody (Biotin)

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Overview

Quantity:	1 mg
Target:	APOB
Reactivity:	Human, Non-Human Primate
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This APOB antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Human LDL
Clone:	LDL 11
Isotype:	IgG1
Specificity:	Native apoB in the form of LDL.
Cross-Reactivity (Details):	The monoclonal antibody cross-reacts with apoB from non-human primates.
Purification:	Purified from in vitro cultures by protein G affinity chromatography.

Target Details

Target:	APOB
Alternative Name:	apoB (APOB Products)
Gene ID:	338

Target Details

Pathways:	Lipid Metabolism

Application Details

Application Notes:	For quantification of apoB in serum/plasma samples and cell culture supernatants using ELISA. LDL 11 is recommended as detection mAb in combination with coating mAb LDL 20/17 . The antibody is also suitable for immunoprecipitation and Western blot.
Comment:	Biotinylated through reaction with a N-hydroxysuccinimide ester of biotin.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	supplied at 1 mg/mL in PBS with 0.02 % 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:	Store product at 4-8°C or frozen at -20°C or below. Avoid repeated freezing/ thawing.
Expiry Date:	18 months

Publications

Product cited in:	Yu, Rimbert, Palmer, Toyohara, Xia, Xia, Ferreira, Chen, Chen, Loaiza, Horwitz, Kacergis, Zhao, Soukas, Kuivenhoven, Kathiresan, Cowan: "GPR146 Deficiency Protects against Hypercholesterolemia and Atherosclerosis." in: **Cell**, Vol. 179, Issue 6, pp. 1276-1288.e14, (2020) (PubMed). Cayo, Mallanna, Di Furio, Jing, Tolliver, Bures, Urick, Noto, Pashos, Greseth, Czarnecki, Traktman, Yang, Morrisey, Grompe, Rader, Duncan: "A Drug Screen using Human iPSC-Derived Hepatocyte-like Cells Reveals Cardiac Glycosides as a Potential Treatment for Hypercholesterolemia." in: **Cell stem cell**, Vol. 20, Issue 4, pp. 478-489.e5, (2017) (PubMed).

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Bissig-Choisat, Wang, Legras, Saha, Chen, Bell, Pankowicz, Hill, Barzi, Leyton, Leung, Kruse, Himes, Goss, Wilson, Chan, Lagor, Bissig: "Development and rescue of human familial hypercholesterolaemia in a xenograft mouse model." in: **Nature communications**, Vol. 6, pp. 7339, (2015) (PubMed).

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