

ABCA1 Antibody

Catalog No: #21676

Package Size: #21676-1 50ul #21676-2 100ul

Description

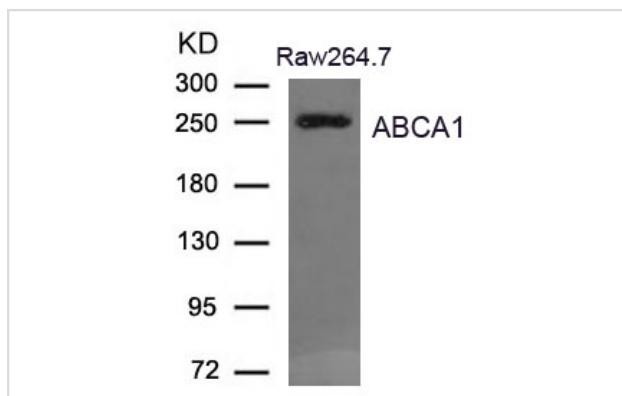
Product Name	ABCA1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total ABCA1 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.2253~2257(D-E-K-V-K) derived from Human ABCA1.
Conjugates	Unconjugated
Target Name	ABCA1
Other Names	TGD; ABC1; CERP; ABC-1;
Accession No.	Swiss-Prot: O95477NCBI Protein: NP_005493.2
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

Predicted MW: 254kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extract from Raw264.7 cells using ABCA1 Antibody #21676

Background

cAMP-dependent and sulfonyleurea-sensitive anion transporter. Key gatekeeper influencing intracellular cholesterol transport.

Kaplan R., Gan X., Menke J.G. *Lipid Res.* 43:952-959(2002)

Hamon Y., Trompier D., Ma Z., Venegas V. *PLoS ONE* 1:E120-E120(2006)

Singaraja R.R., Kang M.H., Vaid K. *Berthiaume L. Res.* 105:138-147(2009)

Published Papers

el at., Chronic Administration of Mitochondrion-Targeted Peptide SS-31 Prevents Atherosclerotic Development in ApoE Knockout Mice Fed Western Diet. In *PLoS One* on 2017 Sep 29 by Meng Zhang , Hongting Zhao, et al.. PMID: 28961281, , (2017)

[PMID:28961281](#)

el at., Pioglitazone reduces lipid droplets in cholesterosis of the gallbladder by increasing ABCA1 and NCEH1 expression. In *Mol Cell Biochem* on 2015 Jan by Jing-Min Wang , Dong Wang et al.. PMID:25280398, , (2015)

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el at., 22 (R)-hydroxycholesterol and pioglitazone synergistically decrease cholesterol ester via the PPAR η 1- ζ XR δ O 1 ζ BCA1 pathway in cholesterosis of the gallbladder. In *Biochem Biophys Res Commun* on 2014 Apr 25 by Jing-Min Wang, Dong Wang et al.. PMID:24704452 , , (2014)

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el at., Quercetin Regulates Hepatic Cholesterol Metabolism by Promoting Cholesterol-To-Bile Acid Conversion and Cholesterol Efflux in Rats. In *Nutr Res* on 2016 Mar by Min Zhang , Zongkai Xie et al.. PMID:26923514, , (2016)

[PMID:26923514](#)

el at., Iron together with lipid downregulates protein levels of ceruloplasmin in macrophages associated with rapid foam cell formation. In *J Atheroscler Thromb* on 2016 Oct 1 by Qi Wang , Jiajie Ji et al.. PMID: 27040361, , (2016)

[PMID:27040361](#)

el at., Mitochondrion-Targeted Peptide SS-31 Inhibited Oxidized Low-Density Lipoproteins-Induced Foam Cell Formation through both ROS Scavenging and Inhibition of Cholesterol Influx in RAW264.7 Cells. In *Molecules* on 2015 Dec 1 by Shuangying Hao, Jiajie Ji et al.. PMID: 26633327, , (2015)

[PMID:26633327](#)

el at., 5-HT_{2A} Receptor and 5-HT Degradation Play a Crucial Role in Atherosclerosis by Modulating Macrophage Foam Cell Formation, Vascular Endothelial Cell Inflammation, and Hepatic Steatosis In *J Atheroscler Thromb* on 2022 Mar 1 by Yingying Ma, Xiurui Liang, et al.. PMID: 33536397, , (2022)

[PMID:33536397](#)

el at., Drug metabolism-related gene ABCA1 augments temozolomide chemoresistance and immune infiltration abundance of M2 macrophages in glioma. In *Eur J Med Res* on 2023 Sep 25 by Yuanliang Yan, Yuanhong Liu et al.. PMID: ?37749600, , (2023)

[PMID:37749600](#)

Hao Xu; Hao Xu; Xueni Sun; Xueni Sun; Miaoru Peng; Miaoru Peng; Yuanshu Zhao; Yuanshu Zhao; Shuxian Li; Shuxian Li; Ping Li; Ping Li; Fan Zhang; Fan Zhang; Xiaodong Fu; Xiaodong Fu; Xiaoyang Xu; Xiaoyang Xu et al., Niacin-induced lysosomal free cholesterol efflux via LXRA-mediated signaling pathways in macrophages retards the progression of atherosclerosis, , (2025)

[PMID:](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.