

ABCA1 Antibody

Catalog No: #21676



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

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

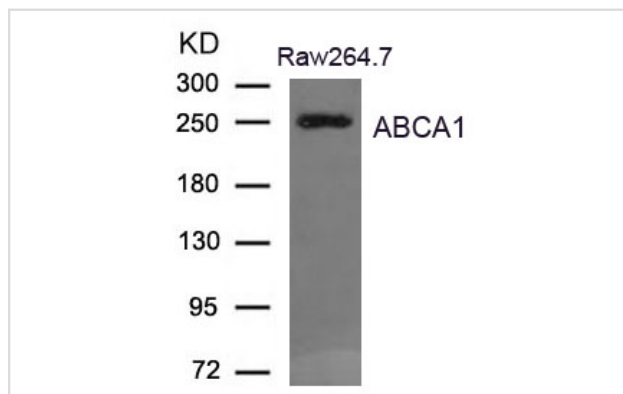
Product Name	ABCA1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	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.
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 sulfonylurea-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

et al., Drug metabolism-related gene ABCA1 augments temozolomide chemoresistance and immune infiltration abundance of M2 macrophages in gliomaIn Eur J Med Res On 2023 Sep 25 by Yuanliang Yan et al.. PMID: 37749600, (2023)

[PMID:37749600](#)

et al., 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](#)

et al., 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](#)

et al., 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](#)

et al., 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](#)

et al., 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)

[PMID:25280398](#)

et al., 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](#)

et al., 22 (R)-hydroxycholesterol and pioglitazone synergistically decrease cholesterol ester via the PPAR γ / ABCA1 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)

[PMID:24704452](#)

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