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Datasheet for ABIN709196 anti-HMGCR antibody (AA 251-350)

1 Image

4 Publications



Overview

Quantity:	100 µL
Target:	HMGCR
Binding Specificity:	AA 251-350
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HMGCR antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human HMGCR
lsotype:	lgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Rabbit
Purification:	Purified by Protein A.
Target Details	

Target:

HMGCR

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Target Details

Alternative Name:	HMGCR (HMGCR Products)
Background:	Synonyms: LDLCQ3, 3-hydroxy-3-methylglutaryl-coenzyme A reductase, HMG-CoA reductase, HMGCR Background: Transmembrane glycoprotein that is the rate-limiting enzyme in cholesterol biosynthesis as well as in the biosynthesis of nonsterol isoprenoids that are essential for normal cell function including ubiquinone and geranylgeranyl proteins.
Gene ID:	3156
UniProt:	P04035
Pathways:	AMPK Signaling, Negative Regulation of Hormone Secretion, Regulation of Lipid Metabolism by PPARalpha

Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	FCM 1:20-100
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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Handling	
Expiry Date:	12 months
Publications	
Product cited in:	Lee, Cho, Lee, Lee, Kim, Lee: "Ethanol extract of Pinus koraiensis leaves containing lambertianic acid exerts anti-obesity and hypolipidemic effects by activating adenosine monophosphate-activated protein kinase (AMPK)." in: BMC complementary and alternative medicine , Vol. 16, pp. 51, (2016) (PubMed).
	Yu, Zeng, Lei, Xiao, Li, Yuan, Lin: "Effects of SIRT1 gene knock-out via activation of SREBP2 protein-mediated PI3K/AKT signaling on osteoarthritis in mice." in: Journal of Huazhong University of Science and Technology. Medical sciences = Hua zhong ke ji da xue xue bao. Yi xue Ying De wen ban = Huazhong keji daxue xuebao. Yixue Yingdewen ban , Vol. 36, Issue 5 , pp. 683-690, (2016) (PubMed).
	Kou, Han, Wang, Huang, He, Han, Zhou, Ye, Li: "Synergetic cholesterol-lowering effects of main alkaloids from Rhizoma Coptidis in HepG2 cells and hypercholesterolemia hamsters." in: Life sciences, Vol. 151, pp. 50-60, (2016) (PubMed).

Wu, He, Wang, Xue, Ning, Zou, Ye, Li, Wang, Pang: "The antihypercholesterolemic effect of jatrorrhizine isolated from Rhizoma Coptidis." in: **Phytomedicine : international journal of phytotherapy and phytopharmacology**, Vol. 21, Issue 11, pp. 1373-81, (2014) (PubMed).

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded rat brain labeled with Anti-HMGCR Polyclonal Antibody, Unconjugated (ABIN709196) at 1:200 followed by conjugation to the secondary antibody and DAB staining

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