

Datasheet for ABIN753283

anti-HMGCR antibody (pSer872)**3** Images**2** Publications[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	HMGCR
Binding Specificity:	pSer872
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 phosphopeptide derived from human HMGCR around the phosphorylation site of Ser872
Isotype:	IgG
Specificity:	This phosphorylation site is homologous to that of Ser871 in Mouse and Rat.
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	HMGCR
Alternative Name:	HMGCR (HMGCR Products)
Background:	<p>Synonyms: LDLCQ3, 3-hydroxy-3-methylglutaryl-coenzyme A reductase, HMG-CoA reductase, HMGCR, phospho HMGCR, p-HMGCR</p> <p>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.</p>
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

Handling

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

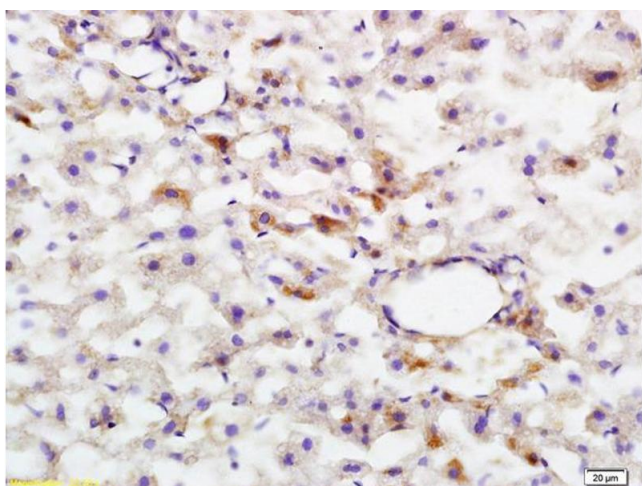
Expiry Date: 12 months

Publications

Product cited in: Zaroni, Aiello, Arnoldi, Lammi: "Hempseed Peptides Exert Hypocholesterolemic Effects with a Statin-Like Mechanism." in: **Journal of agricultural and food chemistry**, Vol. 65, Issue 40, pp. 8829-8838, (2017) ([PubMed](#)).

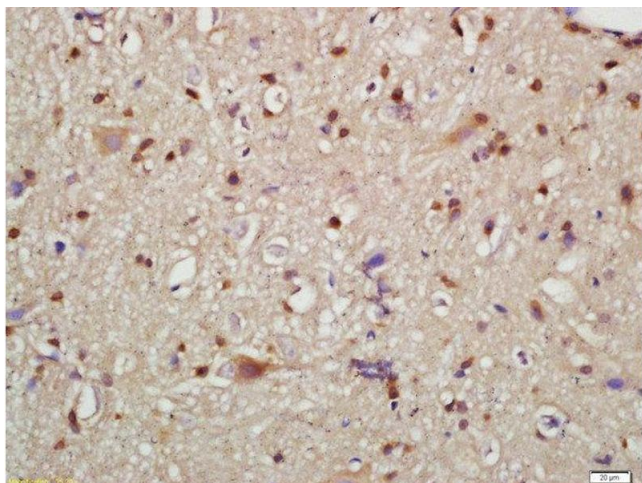
Yang, Ouyang, Chen, Pang, Dong, Yang, Liu, Peng, Wang, Zhang, Ren: "HMG-CoA reductase is negatively associated with PCV2 infection and PCV2-induced apoptotic cell death." in: **The Journal of general virology**, Vol. 95, Issue Pt 6, pp. 1330-7, (2014) ([PubMed](#)).

Images



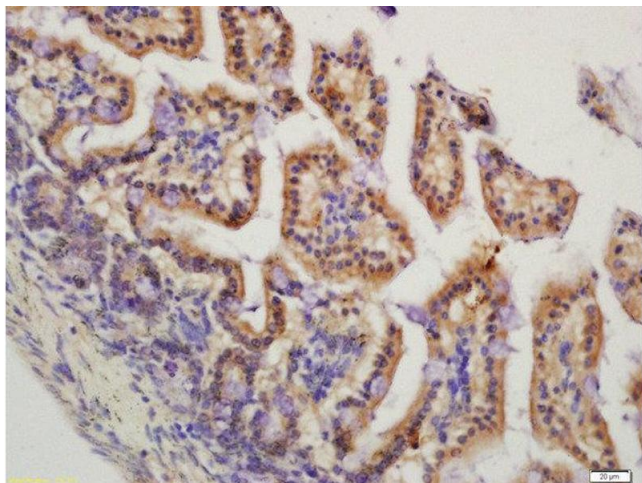
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded rat liver tissue labeled with Anti-phospho-HMGCR(Ser872) Polyclonal Antibody, Unconjugated (ABIN753283) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin-fixed and paraffin embedded mouse brain labeled with Rabbit Anti-HMGCR(Ser872) Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-fixed and paraffin embedded mouse intestine labeled with Rabbit Anti-HMGCR(Ser872) Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining