မ္မွစ္ကို HMGCS1 (D1Q9D) Rabbit mAb





Orders:	877-616-CELL (2355) orders@cellsignal.com
Support:	877-678-TECH (8324)
Web:	info@cellsignal.com cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W, IP	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 57	Source/Isotype: Rabbit IgG	UniProt ID: #Q01581	Entrez-Gene Id: 3157	
Product Usage Information	2	Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:50		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.					
Specificity/Sensitivity HMGCS1 (D1Q9D) Rabbit mAb does not cross-react with HMG			nAb recognizes endogenous levels of total HMGCS1 protein. This antibody HMGCS2 protein.				
Source / Purifi	cation	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Leu483 of human HMGCS1 protein.					
Background		Cytoplasmic 3-hydroxy-3-methylglutaryl-CoA synthase (HMGCS1) catalyzes the first committed step of mevalonate pathway essential for cholesterol biosynthesis (1). <i>HMGCS1</i> transcription is regulated by sterol levels (2). Studies showed that miR-223 reduces cholesterol biosynthesis by inhibiting HMGCS1 and methylsterol monooxygenase 1 (3). In addition, activation of the EGFR family member ERBB4 induces the expression of SREBP-regulated genes (including <i>HMGCS1</i>) involved in cholesterol biosynthesis, suggesting a role of this enzyme in the metabolic re-programming in ERBB4-driven cancers (4).					
Background R	eferences	1. Sapir, A. et al. (2014) <i>Proc Natl Acad Sci U S A</i> 111, E3880-9. 2. Smith, J.R. et al. (1988) <i>J Biol Chem</i> 263, 18480-7. 3. Vickers, K.C. et al. (2014) <i>Proc Natl Acad Sci U S A</i> 111, 14518-23. 4. Haskins, J.W. et al. (2015) <i>Sci Signal</i> 8, ra111.					
Species Reacti	vity	Species reactivity is de	termined by testin	g in at least one approve	ed application (e.g.,	western blot).	
Western Blot B	Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.					
Applications K	ey	W: Western Blotting IF	P: Immunoprecipita	ation			
Cross-Reactivi	ty Key	H: Human M: Mouse R: Rat Mk: Monkey					
Trademarks aı	nd Patents	Cell Signaling Technolo	ogy is a trademark	of Cell Signaling Techno	logy, Inc.		
		All other trademarks a more information.	re the property of	their respective owners.	Visit cellsignal.com	/trademarks for	
Limited Uses		the following terms ap terms and conditions t	ply to Products pro that are in addition	a writing signed by a leg ovided by CST, its affiliate to, or different from, th y authorized representat	es or its distributors ose contained here	s. Any Customer's in, unless	
		approved, cleared, or l purpose. Customer sh any manner that confl Customer as the end-u diagnostic, prophylact	icensed by the FDA all not use any Pro icts with its labelin user and solely for ic or therapeutic pe	se Only or a similar labe or other regulatory for duct for any diagnostic o g statement. Products so research and developme urposes, or any purchas e, requires a separate lic	eign or domestic er or therapeutic purp old or licensed by C ent uses. Any use of e of Product for res	ntity, for any ose, or otherwise in ST are provided for Product for ale (alone or as a	

sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST products or services, (c) not alter or remove from the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.