e at -20C	HMGCS1 (D5W8F) Rabbit mAb		Cell Signaling		
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Applications: WB, IP	Reactivity: H Mk	Sensitivity: Endogenous	MW (kDa): 57	Source/Isotype: Rabbit IgG	UniProt ID: #Q01581	Entrez-Gene Id: 3157		
Product Usage Information	N	Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:50			
StorageSupplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/n0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.						erol and less than		
Specificity / Sensi	t ivity H	HMGCS1 (D5W8F) Rabbit mAb recognizes endogenous levels of total HMGCS1 protein. This antibody does not cross-react with HMGCS2 protein.						
Source / Purificati	-	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human HMGCS1 protein.						
Background	m le m e	cytoplasmic 3-hydroxy-3- nevalonate pathway esse evels (2). Studies showe nethylsterol monooxyger xpression of SREBP-reg uggesting a role of this e	ential for choles d that miR-223 nase 1 (3). In ac gulated genes (i	sterol biosynthesis (1). <i>F</i> reduces cholesterol bio ddition, activation of the including <i>HMGCS1</i>) inv	IMGCS1 transcription synthesis by inhibiting EGFR family member olved in cholesterol bio	is regulated by sterol HMGCS1 and ERBB4 induces the psynthesis,		
Background Refe	2. 3.	 Sapir, A. et al. (2014) Proc Natl Acad Sci U S A 111, E3880-9. Smith, J.R. et al. (1988) J Biol Chem 263, 18480-7. Vickers, K.C. et al. (2014) Proc Natl Acad Sci U S A 111, 14518-23. Haskins, J.W. et al. (2015) Sci Signal 8, ra111. 						
Species Reactivity	y Sp	pecies reactivity is deterr	nined by testing	g in at least one approve	ed application (e.g., w	estern blot).		
Western Blot 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 Key	w	/B: Western Blotting IP:	Immunoprecipi	tation				
Cross-Reactivity I	X:	human M: mouse R: ra Xenopus Z: zebrafish E P: Guinea Pig Rab: rabb	: bovine Dg: de	og Pg: pig Sc: S. cerevi				
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HMGCS1 (D5W8F) Rabbit mAb (#36877) Datasheet Without Images Cell Signaling Technology

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