e at -20C	PCSK9 (D7U6L) Rabbit mAb		Cell Signaling	
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For Research Use Onl	v Not for Use in	Diagnostic Procedures.
	y, NOUTOF OSC III	Diagnostici roccuares.

Applications: WB, IP	Reactivity: H	Sensitivity: Endogenous	<b>MW (kDa):</b> 65, 80	Source/Isotype: Rabbit IgG	UniProt ID: #Q8NBP7	Entrez-Gene Id 255738		
Product Usage Information	-	plication estern Blotting			Dilution 1:1000			
		nunoprecipitation			1:50			
Storage				7.5), 150 mM NaCl, 100 not aliquot the antibody		erol and less than		
Specificity / Sensitiv	ity PCS	PCSK9 (D7U6L) Rabbit mAb recognizes endogenous levels of total PCSK9 protein.						
Source / Purificatior		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding GIn190 of human PCSK9 protein.						
Background Background Referei	clea prot com for s cata by r mer pep Mut to ca factor PCS nces 1. S 2. Fi	vage within the sec einases (furin, PC1 vertases (S1P and secretory pathway t alytic domain contai egulating stability, o nbrane (2). PCs ac tides and proteins f ations in the PCSK ause autosomal-do or involved in lipopr eptor (LDLR) at the SK9 inhibition has s camuffa, N. et al. (2 ugère, M. and Day,	cretory pathway. P /3, PC2, PC4, PA PC9) (1). PCs hav argeting; a pro-do ning the active sit calcium-, and pH-c t in a tissue- and s rom precursors, b 9 gene (encoding minant hyperchole otein metabolism cell membrane ar ince been a new t 2006) FASEB J 20 R. (2005) Trends	zymes that activate pre Cs comprise several er CE4, PC5/6, and PC7), ve a common structure main that is thought to e; a P-domain that cont lependence; and a C-te substrate-specific fashic oth in the brain and the proprotein converts sub seterolemia. PCSK9 wa (4). PCSK9 acts as a c di induces LDLR lysosc herapeutic strategy for , 1954-63. Pharmacol Sci 26, 294 Brain Res 848, 45-62.	nzymes that are basic as well as nonbasic a that includes an N-terr act as an intramolecul ributes to the overall for minal domain that int on to generate an array periphery (3). tillisin/kexin type 9, PC s therefore demonstrat haperone protein that mal degradation rather the treatment of hyper	amino acid-specific mino acid minal signal peptide ar chaperone; a olding of the enzyme eracts with the y of bioactive C9) have been found tted to be a key binds the LDL er than recycling (5).		
	4. A 5. C	eidan, N.G. and Ch bifadel, M. et al. (20 ariou, B. et al. (201 ohen, J.C. et al. (20	003) Nat Genet 34 1) Atherosclerosis	, 154-6. 3 216, 258-65.				
Species Reactivity	Spec	ties reactivity is det	ermined by testing	in at least one approve	ed application (e.g., w	estern blot).		
Western Blot Buffer		ORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TI % Tween® 20 at 4°C with gentle shaking, overnight.				% w/v BSA, 1X TBS,		
Applications Key	WB:	: Western Blotting I	P: Immunoprecipi	tation				
Cross-Reactivity Ke	X: X6	<ul> <li>H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster</li> <li>X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse</li> <li>GP: Guinea Pig Rab: rabbit All: all species expected</li> </ul>						
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