at	CPT1A (D3B3) Rabbit mAb		Cell Signaling	
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FOI INESCAICH USE OIN	. NOLIDI 030	in Diagnostic i	Toccuures.

Applications: WB, IP	Reactivity: H	Sensitivity: Endogenous	<b>MW (kDa):</b> 88	Source/Isotype: Rabbit IgG	<b>UniProt ID:</b> #P50416	Entrez-Gene Id: 1374	
Product Usage Information	W	pplication /estern Blotting			<b>Dilution</b> 1:1000		
		nmunoprecipitation			1:50		
Storage				7.5), 150 mM NaCl, 100 o not aliquot the antibod		erol and less than	
Specificity / Sensitivity		CPT1A (D3B3) Rabbit mAb recognizes endogenous levels of total CPT1A protein. CPT1A (D3B3) Rabbit mAb recognizes endogenous levels of total CPT1A protein. This antibody does not cross-react with CPT1B, CPT1C, or CPT2.					
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Leu213 of human CPT1A protein.					
Background	ac are CF sh the mi	ids across the mitoch e three isoforms of thi PT1A results in an aut own that physiologica erefore divert long-cha	ondrial membrar is enzyme: CPT1 tosomal recessiv al high blood gluc ain fatty acids to C show less food	, localized to the mitoch nes and catalyzes the ra A (liver), CPT1B (musc e mitochondrial fatty aci cose and insulin levels in ward storage in human intake and reduced boo romes.	te-limiting step of β-ox le), and CPT1C (brain d oxidation disorder (3 hibit CPT1B activity ir nuscle as triglycerides	kidation (1,2). There ) (1,2). Deficiency of 3). Studies have n human muscle and 5 (4). Furthermore,	
Background References		Wolfgang, M.J. et al. Bonnefont, J.P. et al. Ogawa, E. et al. (200 Rasmussen, B.B. et a Wolfgang, M.J. and L	Mol Aspects Me 2) J Hum Genet al. (2002) J Clin I	47, 342-7. nvest 110, 1687-93.	282-7.		
Species Reactivity	<b>y</b> Spe	ecies reactivity is dete	ermined by testin	g in at least one approv	ed application (e.g., w	estern blot).	
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.					
Applications Key		WB: Western Blotting IP: Immunoprecipitation					
Cross-Reactivity I	<b>X</b> : >	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected					
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## CPT1A (D3B3) Rabbit mAb (#12252) Datasheet Without Images Cell Signaling Technology

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