e at -20C	Mitofusin-2 (D1E9) Rabbit mAb		Cell Signaling	
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com	
25		Support:	877-678-TECH (8324)	
#11925		Web:	info@cellsignal.com cellsignal.com	
#		3 Trask Lane Danvers Ma	ssachusetts 01923 USA	

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

Applications: WB, IP, IF-IC	Reactivity: H Hm Mk	Sensitivity: Endogenous	MW (kDa): 80	Source/Isotype: Rabbit IgG	UniProt ID: #O95140	Entrez-Gene Id: 9927		
Product Usage Information	A	pplication			Dilu	ution		
intornation	W	estern Blotting			1:10	000		
	In	nmunoprecipitation			1:20	00		
	In	nmunofluorescence (Ir	mmunocytochem	istry)	1:10	00 - 1:200		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.						
Specificity / Sensitivity		Mitofusin-2 (D1E9) Rabbit mAb recognizes endogenous levels of total mitofusin-2 protein.						
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Val573 of human mitofusin-2 protein.						
Background	pro str mi de mu stu se Re an	beess that occurs in co uctural and genetic mi tofusin-1 and -2, which tochondrial fusion (3). velopment (4), and ma utations (3). Null mutat udies have shown that vere mitochondrial dys esearch studies have r	oncert with mitoc itochondrial integ h share 60% ami Mitochondrial fu ay have evolved tions in either mit combined deleti sfunction (3). revealed that mut	ane GTPases that func hondrial division and is rity (1,2). Two mitofusin no acid identity and ap sion is widely recognize as a mechanism to offs ofusin are embryonic le on of mitofusin-1 and n cations in mitofusin-2 ar characterized by a prog	necessary for the mains have been describe pear to function coordi ed as important for nor set the deleterious effe ethal in mice, whereas hitofusin-2 in skeletal n e linked to Charcot-Ma	intenance of ed in mammals, inately to regulate rmal cell growth and icts of mtDNA conditional knockout nuscle results in arie-Tooth disease,		
Background Refere	2. 3. 4. 5.	Zhang, Y. and Chan, E Chan, D.C. (2006) <i>Ani</i> Chen, H. et al. (2010) Bereiter-Hahn, J. and Kijima, K. et al. (2005) Züchner, S. et al. (200	nu Rev Cell Dev Cell 141, 280-9. Vöth, M. (1994) Hum Genet 116	Biol 22, 79-99. Microsc Res Tech 27, 1 i, 23-7.	.98-219.			
Species Reactivity	Spe	ecies reactivity is deter	rmined by testing	in at least one approve	ed application (e.g., we	estern blot).		
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibo milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.				dy in 5% w/v nonfat dry		
Applications Key	WE	B: Western Blotting IP	: Immunoprecipit	ation IF-IC: Immunoflu	orescence (Immunocy	tochemistry)		
Cross-Reactivity Ke	X : >	 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 						
Trademarks and Patents		Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc. All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information.						
Limited Uses								

Mitofusin-2 (D1E9) Rabbit mAb (#11925) Datasheet Without Images Cell Signaling Technology

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