e at -20C	Vimentin (V9) Mouse mAb			
Store at		Orders:	877-616-CELL (2355) orders@cellsignal.com	
#49636		Support:	877-678-TECH (8324)	
496		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	Reactivity: H Mk	Sensitivity: Endogenous	<b>MW (kDa):</b> 57	Source/Isotype: Mouse IgG1	UniProt ID: #P08670	Entrez-Gene Id: 7431	
Product Usage Information		Application Western Blotting			Dilution 1:1000		
Storage	<i>-2</i> pr	20°C so it is recommend	ded to aliquot intent, but will not in	0.09% sodium azide. Sto to single-use vials to avo terfere with antibody pe	oid multiple freeze/thav	<i>v cycles.</i> A slight	
Specificity / Sensitivity		Vimentin (V9) Mouse mAb recognizes endogenous levels of total vimentin protein.					
Source / Purification		Monoclonal antibody is produced by immunizing animals with purified vimentin from porcine eye lens.					
Background	fild ex vis (n sh fild a th th wi sp (4 vin is Du fo ph us er	aments, and microtubu xpression: cytokeratins sceral, and certain vase neurons). GFAP and vin hape (1). In particular, v aments are characteris marker for intracranial tat vimentin is present in ith that of other marker batial re-organization in t). Phosphorylation of v mentin filaments in resp important during lymph uring mitosis, CDK1 ph or vimentin-PLK interact hosphorylation site and sing various soft-tissue	les. Major types (epithelial cells) cular smooth mu- nentin form inter vimentin filament tic of differentiat and intraspinal t n sarcomas, but s to distinguish to response to servitor nocyte adhesion osphorylates vir ion. PLK further play a regulator sarcoma cells h and survival, sug	of cytosolic fibers: micro of intermediate filamen , glial fibrillary acidic pro iscle cells), vimentin (mi mediate filaments in ast s are present at early de ed and mature brain ast umors arising from astro not carcinomas, and its between the two (3). Vin racellular stimuli help to 6 in smooth muscle cells nin (5,6). Remodeling of and migration through the phosphorylates vimenti y role in vimentin filame ave shown that phospho- ggesting that vimentin co	ts are distinguished by dein (GFAP) (glial cells esenchyme origin), and roglial cells and modul evelopmental stages, w trocytes. Thus, GFAP i pocytes (2). Research si expression is examine nentin's dynamic struct coordinate various sig regulates the structure vimentin and other inte the endothelium (7). hosphorylation provides n at Ser83, which migh ent disassembly (8,9). A porylation of vimentin at	their cell-specific s), desmin (skeletal, d neurofilaments late their motility and while GFAP s commonly used as tudies have shown ed in conjunction rural changes and gnaling pathways al arrangement of ermediate filaments s a PLK binding site nt serve as memory Additionally, studies Ser39 by Akt1	
Background Refere	2. 3. 4. 5. 6. 7. 8. 9. 10.	Eng, L.F. et al. (2000) Goebel, H.H. et al. (19 Leader, M. et al. (1987 Helfand, B.T. et al. (2005 Fomina, I.G. et al. (2005 Fomina, I.G. et al. (1997 Nieminen, M. et al. (2007 Yamaguchi, T. et al. (2006) Zhu, Q.S. et al. (2011) Xue, G. and Hemming	187) Acta Histock 7) Histopatholog 104) J Cell Sci 12 5) Biochem J 388 90) Klin Med (Me 006) Nat Cell Bio 005) J Cell Biol Genes Cells 11, 9 Oncogene 30, 4	hem Suppl 34, 81-93. / 11, 63-72. L7, 133-41. 3, 773-83. psk) 68, 125-7. N 8, 156-62. 171, 431-6. 531-40.	93-404.		
Species Reactivity	Sp	ecies reactivity is deter	mined by testing	) in at least one approve	ed application (e.g., we	stern blot).	
Western Blot Buffer				membrane with diluted th gentle shaking, overn		6 w/v nonfat dry	

1/1/24, 12:33 РМ Applications Key	Vimentin (V9) Mouse mAb (#49636) Datasheet Without Images Cell Signaling Technology <b>WB:</b> Western Blotting
Cross-Reactivity Key	<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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