Vimentin (D21H3) XP[®] Rabbit mAb (PE Conjugate)



Orders: 877-616-CELL (2355)

orders@cellsignal.com

Support: 877-678-TECH (8324)

Web: info@cellsignal.com

cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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Applications: FC-FP	Reactivity: H M R Hm Mk	Sensitivity: Endogenous	Source/Isotype: Rabbit IgG	UniProt ID: #P08670	Entrez-Gene Id: 7431
Product Usage Information		Application Flow Cytometry (Fixed/F	Permeabilized)		Dilution 1:50
Storage		Supplied in PBS (pH 7.2) antibodies. Protect from		zide and 2 mg/ml BS	A. Store at 4°C. Do not aliquot the
Specificity/Sensitivity		Vimentin (D21H3) XP [®] Rabbit mAb (PE Conjugate) detects endogenous levels of total vimentin protein.			
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Arg45 of human vimentin protein.			
Description		This Cell Signaling Technology antibody is conjugated to phycoerythrin (PE) and tested in-house for direct flow cytometry analysis in human cells. The antibody is expected to exhibit the same species cross-reactivity as the unconjugated Vimentin (D21H3) XP [®] Rabbit mAb #5741.			
Background		intermediate filaments, their cell-specific expres cells), desmin (skeletal, vorigin), and neurofilame cells and modulate their developmental stages, vastrocytes. Thus, GFAP i from astrocytes (2). Rescarcinomas, and its expression and its expression that the two (3). Vin extracellular stimuli help Ser56 in smooth muscle serotonin (5,6). Remode lymphocyte adhesion and During mitosis, CDK1 priste for vimentin-PLK intermediate in the properties of the serotonin (5,6). All pristes for vimentin-PLK intermediate in the serotonin (5,6) and the serotonin (5,6) and the serotonin (5,6). All pristes for vimentin-PLK intermediate in the serotonin (5,6) and the serotonin (5,6) are serotonin (5,6) and the serotonin (5,6) and the serotonin (5,6) are s	sion: cytokeratins (epither visceral, and certain vascents (neurons). GFAP and remotility and shape (1). It while GFAP filaments are sommonly used as a mearch studies have shown ression is examined in conentin's dynamic structure to to coordinate various sincells regulates the structure in the structure of the structure in the structure of the structure in the	types of intermediate slial cells), glial fibrillar ular smooth muscle covimentin form interming particular, vimentin characteristic of different with that of that vimentin is present in that vimentin is present of cal changes and spatiagnaling pathways (4). Extral arrangement of the intermediate filameter intermediate filameter intermediate filameter of the properties	e filaments are distinguished by ry acidic protein (GFAP) (glial ells), vimentin (mesenchyme hediate filaments in astroglial filaments are present at early rentiated and mature brain and intraspinal tumors arising sent in sarcomas, but not other markers to distinguish al re-organization in response to Phosphorylation of vimentin at vimentin filaments in response to
Background Ref	ferences	2. Goebel, H.H. et al. (1987 3. Leader, M. et al. (1987 4. Helfand, B.T. et al. (2005 5. Tang, D.D. et al. (2005 6. Fomina, I.G. et al. (1997 7. Nieminen, M. et al. (2088) 8. Yamaguchi, T. et al. (2006) 10. Zhu, Q.S. et al. (2011	90) <i>Klin Med (Mosk)</i> 68, 1: 006) <i>Nat Cell Biol</i> 8, 156-6 005) <i>J Cell Biol</i> 171, 431-6 <i>Genes Cells</i> 11, 531-40.	ol 34, 81-93. 12. 25-7. 52.	

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Applications Key FC-FP: Flow Cytometry (Fixed/Permeabilized)

Cross-Reactivity Key H: Human M: Mouse R: Rat Hm: Hamster Mk: Monkey

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