Phospho-Vimentin (Ser56) Antibody



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

Applications: W, IF-IC	Reactivity: H M Mk	Sensitivity: Endogenous	MW (kDa): 57	Source/Isotype: Rabbit	UniProt ID: #P08670	Entrez-Gene Id: 7431
Product Usage Information	•	Application Western Blotting Immunofluorescence	e (Immunocytochem	nistry)		Dilution 1:1000 1:200
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		Phospho-Vimentin (Ser56) Antibody detects endogenous levels of vimentin only when phosphorylated at Ser56.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Ser56 of human vimentin. Antibodies are purified by peptide affinity chromatography.				
Background						
Background References		1. Eng, L.F. et al. (2000) Neurochem Res 25, 1439-51. 2. Goebel, H.H. et al. (1987) Acta Histochem Suppl 34, 81-93. 3. Leader, M. et al. (1987) Histopathology 11, 63-72. 4. Helfand, B.T. et al. (2004) J Cell Sci 117, 133-41. 5. Tang, D.D. et al. (2005) Biochem J 388, 773-83. 6. Fomina, I.G. et al. (1990) Klin Med (Mosk) 68, 125-7. 7. Nieminen, M. et al. (2006) Nat Cell Biol 8, 156-62. 8. Yamaguchi, T. et al. (2006) J Cell Biol 171, 431-6. 9. Oguri, T. et al. (2006) Genes Cells 11, 531-40.				

10. Zhu, Q.S. et al. (2011) *Oncogene* 30, 457-70.

12. Yamaguchi, T. et al. (2005) *J. Cell Biol.* 171, 431-436. 13. Oguri, T. et al. (2006) *Genes Cells* 11, 531-540.

11. Xue, G. and Hemmings, B.A. (2013) *J Natl Cancer Inst* 105, 393-404.

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

Western Blot Buffer IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat

dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key W: Western Blotting IF-IC: Immunofluorescence (Immunocytochemistry)

Cross-Reactivity Key H: Human M: Mouse Mk: Monkey

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