Cell Signaling NDRG1 Antibody H. Orders:



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Applications: W, IP, IHC-P	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 46, 48	Source/Isotype: Rabbit	UniProt ID: #Q92597	Entrez-Gene Id: 10397
Product Usage Information		Application Western Blotting Immunoprecipitation Immunohistochemistr	ry (Paraffin)		1: 1:	i lution 1000 50 100
Storage		Supplied in 10 mM soc 20°C. Do not aliquot th), 150 mM NaCl, 100 µg/	ml BSA and 50% gl	ycerol. Store at –
Specificity/Sensitivity		NDRG1 Antibody detects endogenous levels of total NDRG1 protein.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues in the carboxy terminus of human NDRG1 protein. Antibodies are purified by protein A and peptide affinity chromatography.				
Background		member of the NDRG differentiation, and cervariety of stress signal calcium (2). Expression and c-myc (1,6). During for p53-mediated apop cancer progression by angiogenesis (3,4,6,8,9 motor and sensory nervaries NDRG1 in maintaining cell maturation and its are substrates of SGK1 not known (13). NDRG	family, which is con Il survival (1-5). NDF s, including DNA da of NDRG1 is elevat g DNA damage, ND otosis (4,7). Researc promoting differen D. Nonsense mutat uropathy-Lom (HM myelin sheaths and deletion leads to a l, although the prec 1 is phosphorylated	RG1), also termed Cap4 posed of four member RG1 is ubiquitously expr amage (4), hypoxia (5), a ted in N-myc defective n RG1 is induced in a p53- th studies have shown th titation, inhibiting grown ion of the <i>NDRG1</i> gene SNL), which is supported d axonal survival (10,11) ttenuated allergic respo- tise physiological role of by SGK1 at Thr328, Ser for phosphorylation by	s (NDRG1-4) that fu essed and highly re nd elevated levels of dependent fashion nat NDRG1 may als th, and modulating has been shown to d by studies demon . NDRG1 is upregul nses (12). Both ND SGK1-mediated ph 330, Thr346, Thr35	Inction in growth, esponsive to a of nickel and ely regulated by N- and is necessary o play a role in metastasis and cause hereditary Istrating the role of lated during mast RG1 and NDRG2 nosphorylation is
Background Re	ferences	 Shimono, A. et al. (1 Zhou, D. et al. (1998 van Belzen, N. et al. Kurdistani, S.K. et al Park, H. et al. (2000) Li, J. and Kretzner, L. Stein, S. et al. (2004) Maruyama, Y. et al. (Nishio, S. et al. (2002) Kalaydjieva, L. et al Okuda, T. et al. (2012) Taketomi, Y. et al. (Murray, J.T. et al. (2013)) Cancer Res 58, 218 (1997) Lab Invest 7 . (1998) Cancer Res Biochem Biophys J (2003) Mol Cell Bio J Biol Chem 279, 48 (2006) Cancer Res 6 B) Cancer Lett 264, 3 . (2000) Am J Hum (04) Mol Cell Biol 24, 2007) J Immunol 17	32-9. 7, 85-92. 58, 4439-44. Res Commun 276, 321-8 chem 250, 91-105. 3930-40. 6, 6233-42. 36-43. Genet 67, 47-58. 3949-56. 8, 7042-53.		
Species Reactiv	ity	Species reactivity is de	termined by testing	j in at least one approve	ed application (e.g.,	western blot).
Western Blot B	uffer	IMPORTANT: For west TBS, 0.1% Tween® 20		membrane with diluted haking, overnight.	primary antibody i	n 5% w/v BSA, 1X
Applications Ke	ey (W: Western Blotting IF	P: Immunoprecipita	tion IHC-P: Immunohist	ochemistry (Paraffi	in)
Cross-Reactivity Key		H: Human M: Mouse R: Rat Mk: Monkey				

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