NDRG1 (D8G9) XP[®] Rabbit mAb





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Applications: W, IP, IHC-P, IF-IC	Reactivity: H Mk	Sensitivity: Endogenous	MW (kDa): 46, 48	Source/Isotype: Rabbit IgG	UniProt ID: #Q92597	Entrez-Gene Id: 10397	
Product Usage Information Storage			(Immunocytochem lium HEPES (pH 7.5	istry) i), 150 mM NaCl, 100 μg. ot aliquot the antibody.	/ml BSA, 50% glyce	Dilution 1:1000 1:100 1:800 1:200 rol and less than	
		For a carrier free (BSA and azide free) version of this product see product #62642.					
Specificity/Sens	sitivity	NDRG1 (D8G9) XP [®] Ra	bbit mAb recognize	es endogenous levels of	total NDRG1 prote	in.	
Source / Purific	ation	Monoclonal antibody i residues near the carb		nunizing animals with a siman NDRG1 protein.	synthetic peptide c	orresponding to	
Background		member of the NDRG differentiation, and ce variety 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 ne NDRG1 in maintaining cell maturation and its are substrates of SGK1 not known (13). NDRG	family, which is cor Il survival (1-5). ND s, including DNA d of NDRG1 is eleva g DNA damage, ND promoting differen D. Nonsense mutat uropathy-Lom (HM myelin sheaths an deletion leads to a , although the pre- 1 is phosphorylated	DRG1), also termed Cap4 nposed of four member RG1 is ubiquitously expr amage (4), hypoxia (5), a ted in N-myc defective r RG1 is induced in a p53 ch studies have shown t ntiation, inhibiting grow ion of the <i>NDRG1</i> gene SNL), which is supported axonal survival (10,11) attenuated allergic responding cise physiological role of d by SGK1 at Thr328, Sen for phosphorylation by	rs (NDRG1-4) that fu ressed and highly re and elevated levels of -dependent fashior hat NDRG1 may als th, and modulating has been shown to d by studies demor). NDRG1 is upregu ponses (12). Both ND f SGK1-mediated pl r330, Thr346, Thr35	anction in growth, esponsive to a of nickel and ely regulated by N- n and is necessary to play a role in metastasis and cause hereditary estrating the role of lated during mast RG1 and NDRG2 nosphorylation is	
Background Re	ferences	1. Shimono, A. et al. (1 2. Zhou, D. et al. (1998 3. van Belzen, N. et al. 4. Kurdistani, S.K. et al 5. Park, H. et al. (2000) 6. Li, J. and Kretzner, L. 7. Stein, S. et al. (2004) 8. Maruyama, Y. et al. (9. Nishio, S. et al. (2003) 10. Kalaydjieva, L. et al 11. Okuda, T. et al. (2003) 12. Taketomi, Y. et al. (2003)) Cancer Res 58, 21 (1997) Lab Invest 7 . (1998) Cancer Res Biochem Biophys (2003) Mol Cell Bio J Biol Chem 279, 4 2006) Cancer Res 6 3) Cancer Lett 264, . (2000) Am J Hum 04) Mol Cell Biol 24 2007) J Immunol 17	82-9. 7, 85-92. 58, 4439-44. <i>Res Commun</i> 276, 321-8 5 <i>chem</i> 250, 91-105. 8930-40. 66, 6233-42. 36-43. <i>Genet</i> 67, 47-58. , 3949-56. 78, 7042-53.	3.		
Species Reactiv	ity	Species reactivity is de	termined by testin	g in at least one approve	ed application (e.g.,	western blot).	
Western Blot Bı	uffer	IMPORTANT: For west TBS, 0.1% Tween® 20		membrane with diluted shaking, overnight.	primary antibody i	n 5% w/v BSA, 1X	

Applications Key	W: Western Blotting IP: Immunoprecipitation IHC-P: Immunohistochemistry (Paraffin) IF-IC: Immunofluorescence (Immunocytochemistry)			
Cross-Reactivity Key	H: Human Mk: Monkey			
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