9485 Store at -20C

NDRG1 (D8G9) XP® Rabbit mAb



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

Applications: WB, 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	Aį	oplication				Dilution	
Information	W	estern Blotting				1:1000	
	Im	nmunoprecipitation				1:100	
	Im	nmunohistochemistry	(Paraffin)			1:800	
	Im	munofluorescence (Immunocytochen	nistry)		1:200	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.					
	For	For a carrier free (BSA and azide free) version of this product see product #62642.					
Specificity / Sensi	tivity ND	y NDRG1 (D8G9) XP [®] Rabbit mAb recognizes endogenous levels of total NDI				ein.	
Source / Purificati	•	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human NDRG1 protein.					
Background	me diff of s Ext (1,1) me pro (3,4) ser ma and SG ND	mber of the NDRG ferentiation, and cell stress signals, includoression of NDRG1 if it is included apoptosis (4, it is it	amily, which is co survival (1-5). ND ling DNA damage is elevated in N-mage, NDRG1 is in 7). Research stuc ing differentiation, nutation of the NI im (HMSNL), which aths and axonal so attenuated allery ecise physiologica ted by SGK1 at T	DRG1), also termed Cate omposed of four member DRG1 is ubiquitously expected, hypoxia (5), and elempte defective mice and induced in a p53-depended in the properties of the p	rs (NDRG1-4) that further that further seed and highly reversed and highly reversed and highly regulated and is need and highly regulated and highly also play a modulating metastasismown to cause heredies demonstrating the highly and NDRG1 and NDRG dighosphorylation is not the seed and not be seed and	nction in growth, sponsive to a variety el and calcium (2). d by N- and c-myc cessary for p53- a role in cancer s and angiogenesis tary motor and role of NDRG1 in g mast cell maturation 2 are substrates of not known (13).	
Background Refe	2. z 3. v 4. k 5. F 6. L 7. S 8. N	 Shimono, A. et al. (1999) Mech Dev 83, 39-52. Zhou, D. et al. (1998) Cancer Res 58, 2182-9. van Belzen, N. et al. (1997) Lab Invest 77, 85-92. Kurdistani, S.K. et al. (1998) Cancer Res 58, 4439-44. Park, H. et al. (2000) Biochem Biophys Res Commun 276, 321-8. Li, J. and Kretzner, L. (2003) Mol Cell Biochem 250, 91-105. Stein, S. et al. (2004) J Biol Chem 279, 48930-40. Maruyama, Y. et al. (2006) Cancer Res 66, 6233-42. Nishio, S. et al. (2008) Cancer Lett 264, 36-43. Kalaydjieva, L. et al. (2000) Am J Hum Genet 67, 47-58. 					

Okuda, T. et al. (2004) Mol Cell Biol 24, 3949-56.
 Taketomi, Y. et al. (2007) J Immunol 178, 7042-53.
 Murray, J.T. et al. (2004) Biochem J 384, 477-88.

Species Reactivity

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

Western Blot Buffer

NDRG1 (D8G9) XP® Rabbit mAb (#9485) Datasheet Without Images Cell Signaling Technology

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

WB: Western Blotting IP: Immunoprecipitation IHC-P: Immunohistochemistry (Paraffin)

IF-IC: Immunofluorescence (Immunocytochemistry)

Cross-Reactivity Key

H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster

X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse

GP: Guinea Pig Rab: rabbit All: all species expected

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