/1/24, 12:54 PM Revision 1	Mono-Methyl Arg	jinine (R*GG)	(D5A12) Rabbit mA	b (#8711) Datashee	t Without	Images Cell Signaling Te	ech
	thyl Argini Rabbit mAt)			Cell Signalin тесниогоди 877-616-сець (23)	γ® 355)
					Support:	orders@cellsignal.co 877-678-TECH (83)	
#8711					Web:	info@cellsignal.co cellsignal.co	om
				3 Trask Lane	Danvers	Massachusetts 01923 U	SA
For Research Use Only		-					
Applications: WB, IP, E-P	Reactivity: All	Sensitivity: Endogenous	Source/Isotype: Rabbit				
Product Usage	App	ication				Dilution	
Information	West	ern Blotting				1:1000	
	Imm	unoprecipitation				1:50	
	Pept	de ELISA (DELF	IA)			1:1000	
Storage			lium HEPES (pH 7.5), Store at –20°C. Do not		nl BSA, 509	% glycerol and less than	
Specificity / Sensi	mono	-methylated at ar		refers Arg-Gly-Gly motif		els of proteins only when body does not cross-react	
Source / Purificati		clonal antibody is containing R*G		ing animals with a synth	netic mono-	methyl arginine peptide	
Background	methy signal the ar from 5 types where argini place omeg argini protei group residu (5). H	lated proteins ar transduction, RN ginine N-methylti S-adenosylmethic of arginine methy two methyl grou ne; symmetric dir d on each of the a-NG-methylargi ne. Each of these ns catalyze the for to produce aDM les often reside in	e involved in many diff NA metabolism, and Di ransferase (PRMT) far onine (AdoMet) to a gu ylation: asymmetric dir ups are placed on one methylarginine (sDMA, two terminal guanidine nine), where a single n e modifications has por ormation of MMA, Type A, while Type II PRMT n glycine-arginine rich CARM1 and PRMT5 n	NA damage repair (1-3). nily of enzymes that cata anidine nitrogen of argin nethylarginine (aDMA, co of the terminal nitrogen omega-NG,NG-dimethy nitrogens of arginine; a nethyl group is placed of rentially different function e I PRMTs (PRMT1, 3, 4 s (PRMT5 and 7) produc (GAR) protein domains,	, including Arginine m alyze the tra hine (4). Th omega-NG, atoms of the ylarginine), nd monome n one of the nal consequ , 6, and 8) ce sDMA. N such as Re	transcriptional regulation, nethylation is carried out by ansfer of a methyl group ere are three different NG-dimethylarginine), e guanidine group of where one methyl group is ethylarginine (MMA, e terminal nitrogen atoms of uences. Though all PRMT add an additional methyl	
Background Refe	2. Pał 3. Bec 4. Mc 5. Ga 6. Cho	llich, S. et al. (20 lford, M.T. and C Bride, A.E. and S y, J.D. and Clark eng, D. et al. (200	ichard, S. (2005) <i>Mol (</i> 06) <i>Biochim Biophys A</i> larke, S.G. (2009) <i>Mol</i> ilver, P.A. (2001) <i>Cell</i> : ce, S. (1998) <i>Prog Nuc</i> 07) <i>Mol Cell</i> 25, 71-83.) <i>Sci Rep</i> 3, 1311.	acta 1764, 1890-903. Cell 33, 1-13. L06, 5-8. leic Acid Res Mol Biol 6:	1, 65-131.		
Species Reactivity	y Specie	s reactivity is det	termined by testing in a	at least one approved ap	oplication (e	e.g., western blot).	

Western Blot Buffer	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 E-P: Peptide ELISA (DELFIA)

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Cross-Reactivity	 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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