DNMT3B (E9X7R) Rabbit mAb





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••	tivity: M	Sensitivity: Endogenous	MW (kDa): 105	Source/Isotype: Rabbit IgG	UniProt ID: #O88509	Entrez-Gene Id: 13436
Product Usage Information		Application Western Blotting Immunoprecipitation Immunofluorescence Chromatin IP		nistry)		Dilution 1:1000 1:50 1:1600 1:50
Storage				5), 150 mM NaCl, 100 μg/ lot aliquot the antibody.	ml BSA, 50% glyce	rol and less than
Specificity/Sensitivity	/	DNMT3B (E9X7R) Rabbit mAb recognizes endogenous levels of total DNMT3B protein. This antibody does not cross-react with DNMT3A or DNMT1.				
Source / Purification		Monoclonal antibody residues surrounding		nunizing animals with a s DNMT3B protein.	synthetic peptide c	orresponding to
Background		is critical for proper re families of mammalia (1,2). DNMT1 is consti methyltransferase, tra- replication. DNMT3A expression in adult so methylate previously tissues and its inactiv DNMT3A, and DNMT3 (HDAC1, HDAC2, Sin3, (HP1, SUV39H1) to mail Improper DNA methy promoter CpG islands development of cance contribute to the ons	egúlation of gene e an DNA methyltrans itutively expressed i ansferring proper n and DNMT3B are st omatic tissues. DNM unmethylated regio ation affects neithe 3B together form a A), transcriptional n aintain proper level vlation contributes t s within tumor supp er. In addition, hypo et of cancer. DNMT	in mammalian cells is a h xpression, genomic impr ferases have been identi in proliferating cells and hethylation patterns to n rongly expressed in emb IT3A and DNMT3B functi ons of DNA. DNMT2 is ex r <i>de novo</i> nor maintenar protein complex that inte epressor proteins (RB, TA s of DNA methylation and o diseased states such a pressor genes correlates methylation of bulk gene I, DNMT3A, and DNMT3E s leukemias, in addition	inting and develop fied: DNMT1, DNM functions as a main ewly synthesized D ryonic stem cells w on as <i>de novo</i> met pressed at low leve for DNA methylation eracts with histone eracts with histone cz.1), and heteroch d facilitate gene sil s cancer (1,2). Hype with gene silencing omic DNA correlate are overexpressed	ment (1,2). Three T2, and DNMT3 ntenance NA during vith reduced hyltransferases that els in adult somatic on. DNMT1, deacetylases romatin proteins encing (3-8). ermethylation of g and the es with and may d in many cancers,
Background Referenc	:es	3. Kim, G.D. et al. (200 4. Fuks, F. et al. (2001)	Jagodziński, P.P. (20) 2) EMBO J. 21, 4183) EMBO J. 20, 2536-4 (2004) Biochem. Bio II. (2000) Nat. Genet n, G.D. (2002) EMBO) Nucleic Acids Res. 001) Blood 97, 1172- t al. (1999) Nucleic A) Gene 236, 87-95.	105) <i>Cell. Mol. Biol. Lett.</i> 1 3-95. 14. 5 25, 269-77. 2 <i>J.</i> 21, 779-88. 31, 2305-12. 9. Acids Res. 27, 2291-8.		
Species Reactivity		Species reactivity is d	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).
Western Blot Buffer		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 IF-IC: Immunofluorescence (Immunocytochemistry) ChIP: Chromatin IP			
Cross-Reactivity Key	M: Mouse			
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