e at -20C	DNMT3L (E1Y7Q) Rabbit mAb		Cell Signaling TECHNOLOGY®	
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For Research Use Only	Not for Use	in Diagnostic Procedures.
FOI INESCAIGH USE OINS	1101 101 030	in Diagnostic Flocedules.

Applications: WB, IP	Reactivity: M	Sensitivity: Endogenous	MW (kDa): 49	Source/Isotype: Rabbit IgG	UniProt ID: #Q9CWR8	Entrez-Gene Id: 54427
Product Usage Information	W	pplication /estern Blotting nmunoprecipitation			Dilution 1:1000 1:50	
Storage		••		7.5), 150 mM NaCl, 100 not aliquot the antibody		erol and less than
Specificity / Sensit	ivity DN	IMT3L (E1Y7Q) Rabb	it mAb recognize	es endogenous levels of	f total DNMT3L protein	1.
Source / Purificatio		onoclonal antibody is p sidues surrounding Va		nunizing animals with a s NMT3L protein.	synthetic peptide corre	esponding to
Background	crit of is o tra DN DN reg ne DN me (1, of AT me the	tical for proper regulat mammalian DNA mett constitutively expresse nsferring proper meth IMT3B are strongly ex IMT3A and DNMT3B gions of DNA. DNMT3 gions of DNA. DNMT2 ither <i>de novo</i> nor main IMT3L is a catalyticall ethyltransferases that 2). These <i>de novo</i> met DNMT3L, and either t RX-DNMT3-DNMT3L ethyltransferase-like d e binding of S-adenos mplex to transcription	ion of gene expr hyltransferases h ed in proliferating ylation patterns kpressed in emb function as <i>de ne</i> is expressed at htenance DNA m y inactive regula is expressed at h ethyltransferases wo molecules of (ADD) domain a omain binds to D ylmethionine and	in mammalian cells is a ression, genomic imprint have been identified: DN g cells and functions as to newly synthesized DN ryonic stem cells with re ovo methyltransferases low levels in adult soma nethylation. tory factor for the DNMT ow levels in embryonic consist of a heteroterra DNMT3A or DNMT3B (and a carboxy-terminal r DNMT3A and DNMT3B t I DNA (4,5). The ADD d ons of the genome by bi	ting, and development IMT1, DNMT2, and DN a maintenance methyl NA during replication. I duced expression in a that methylate previou atic tissues and its inac T3A and DNMT3B <i>de r</i> stem cells, testis, ovar meric complex contair 3). DNMT3L contains nethyltransferase-like o stimulate catalytic ac omain recruits the met	(1,2). Three families NMT3 (1,2). DNMT1 transferase, DNMT3A and dult somatic tissues. usly unmethylated ctivation affects <i>novo</i> ies, and thymus ning two molecules an amino-terminal domain (4-7). The ctivity by increasing hyltransferase
Background Refere	ences 1. 1 2 3 4. 1 5. 3 6. 0	Hermann, A. et al. (20 Turek-Plewa, J. and J Jia, D. et al. (2007) <i>N</i> a	agódziński, P.P. ature 449, 248-5 nd Reich, N.O. (4) <i>J Biol Chem</i> 2 <i>Natur</i> e 448, 714	(2005) Cell Mol Biol Let 1. 2010) J Biol Chem 285, 79, 27816-23. I-7.		
Species Reactivity	Spe	cies reactivity is deter	rmined by testing	g in at least one approve	ed application (e.g., we	estern blot).
Western Blot Buffe		PORTANT: For western % Tween® 20 at 4°C v		membrane with diluted ng, overnight.	primary antibody in 59	% w/v BSA, 1X TBS,
Applications Key	WE	3: Western Blotting IP	: Immunoprecipi	tation		

1/1/24, 10:40 AM Cross-Reactivity Key	 DNMT3L (E1Y7Q) Rabbit mAb (#13451) Datasheet Without Images Cell Signaling Technology 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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