e at -20C	ESET (C1C12) Rabbit mAb					
Store		Orders	:	877-616- orders@ce	CELL (Ilsigna	2355) I.com
96		Suppo	rt:	877-678-	TECH (8324)
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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: I WB, IP, IF-IC	Reactivity: H Mk	Sensitivity: Endogenous	MW (kDa): 180	Source/Isotype: Rabbit IgG	UniProt ID: #Q15047	Entrez-Gene Id: 9869		
Product Usage		Application				Dilution		
Information	١	Western Blotting				1:1000		
	I	mmunoprecipitation				1:50		
	I	mmunofluorescence (In	nmunocytochen	nistry)		1:100		
Storage	S 0	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.						
Specificity / Sensitivity		ESET (C1C12) Rabbit mAb detects endogenous levels of total ESET protein. The antibody does not cross- react with other SET-domain containing histone methyltransferase proteins.						
Source / Purification	N Ci	lonoclonal antibody is p arboxy terminus of the l	roduced by imm numan ESET pr	nunizing animals with a sotein.	synthetic peptide corr	esponding to the		
Background	T p c; p rr tr L h r C C C C C C C C C C C C C C C C C C	he Erg-associated prote rotein, is a member of a atalytic SET domain orig roteins (1). ESET also o nethylated histones and anscriptionally repressiv ys9 methyltransferases, eterochromatin, ESET f nteracts with a variety of NA methyltransferases TFa-associated modula nethyltransferase activity ecruits ESET to the CAF hromatin assembly in S SET may play a role in nethyl histone H3 Lys9 a	ein with SET dor a family of histon ginally identified contains tudor au methylated DN, ve mark that fac , which function unctions mainly proteins, includ (DNMT3A/B) ar tor mAM) (1-6). y, specifically the 5-1 complex to fa phase (5). DNN the pathogenes are both increas	main (ESET), also know e lysine methyltransfera in Drosophila Su[var]3- nd methyl-CpG-binding A, respectively (1). ESE ilitates gene silencing (1 mainly in heterochroma in euchromatic regions ing transcription factors nd transcription factors ad transcriptional co-rep mAM forms a complex e conversion of di-methy acilitate methylation of h 1T3A recruits ESET to s is of Huntington's diseas ed in diseased brains (8	n as SET-domain, bif isses, each of which co 9, Enhancer of zeste, domains, which may of T methylates histone 3). However, unlike tin regions such as per to repress gene prom (ERG), histone deaco ressors (mSin3A/B, M with ESET, stimulation of to tri-methyl histone istone H3 Lys9 during istone H3 Lys9 during istone levels of ES).	urcated 1 (SETDB1) ontains a conserved and Trithorax coordinate binding to H3 Lys9, creating a SUV39H histone H3 ericentric toters (3). ESET etylases (HDAC1/2), MBD1, KAP-1, the g its H3 Lys9 (2). MBD1 g replication-coupled cancer cells (7). ET protein and tri-		
Background Referen	11 22 33 44 55 60 77 80	Yang, L. et al. (2002) C. Wang, H. et al. (2003) Schultz, D.C. et al. (20 Yang, L. et al. (2003) <i>E</i> Sarraf, S.A. and Stanc Ichimura, T. et al. (200 Li, H. et al. (2006) <i>J. B</i> Ryu, H. et al. (2006) <i>P</i>	Dncogene 21, 14 Mol. Cell 12, 47 (02) Genes Dev. Biochem. J. 369 heva, I. (2004) 5) J. Biol. Chem. iol. Chem. 281, roc. Natl. Acad.	48-152. '5-487. 16, 919-932. 651-657. <i>Mol. Cell</i> 15, 595-605. 280, 13928-13935. 19489-19500. <i>Sci. USA</i> 103, 19176-19	9181.			
Species Reactivity	Sp	becies reactivity is deter	mined by testing	g in at least one approve	ed application (e.g., w	estern 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	w	/B: Western Blotting IP :	Immunoprecipi	tation IF-IC: Immunoflue	prescence (Immunocy	/tochemistry)		

1/1/24, 8:36 AM Cross-Reactivity Key	ESET (C1C12) Rabbit mAb (#2196) 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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