| e at -20C | SET7/SET9 Antibody | | Cell Signaling | |
|-----------|--------------------|-----------------------------|--|--|
| Store at | | Orders: | 877-616-CELL (2355) orders@cellsignal.com | |
| ŝ | | Support: | 877-678-TECH (8324) | |
| 2813 | | Web: | info@cellsignal.com cellsignal.com | |
| # | | 3 Trask Lane Danvers Ma | ssachusetts 01923 USA | |

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

| Applications: WB | Reactivity: H M R Mk | Sensitivity: Endogenous | MW (kDa): 48 | Source: Rabbit | UniProt ID: #Q8WTS6 | Entrez-Gene Id: 80854 | | |
|------------------------------|---|--|--|---|---|---|--|--|
| Product Usage Information | | ApplicationDilutionWestern Blotting1:1000 | | | | | | |
| Storage | | Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody. | | | | | | |
| Specificity / Sensitivity | | SET7/SET9 Antibody detects endogenous levels of total SET7/SET9 protein. This antibody does not cross- react with other SET domain-containing proteins. | | | | | | |
| Source / Purification | | Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to the human SET7/SET9 protein. Antibodies are purified by protein A and peptide affinity chromatography. | | | | | | |
| Background | his SE His an H3 NU co bin wit H3 me p5 ma co tar | stone H3 (1). Like mos ET domain originally id stone methylation is a id is crucial for the pro 3 Lys4 enhances trans JRF chromatin remode mplexes (4,5). In addi nding of the NURD his th SUV39H1-mediated 3, but only very weakly ethylates Lys189 of the 3 tumor suppressor pr anner by increasing th mplex formation (6). N | to ther lysine-direct entified in the Dros major determinant per programming of criptional activation eling complex, and tion, methylation of tone deacetylation d methylation of his methylates H3 wi e TAF10, a member rotein (6,7). Methyl e affinity of TAF10 dethylation of p53 1. Thus the loss of | cted histone methyltr sophila Su(var)3-9, E t for the formation of of the genome during n by coordinating the I WDR5, a compone f lysine 4 blocks tran complex to the amin stone H3 Lys9 (1). Si thin nucleosomes (1 er of the TFIID transc lation of TAF10 stimu for RNA polymerase at Lys372 increases | and can specifically met ansferases, it contains a Enhancer of zeste and Th active and inactive regio development (2,3). Me e recruitment of BPTF, a nt of multiple histone me scriptional repression by no-terminal tail of histone ET7/SET9 is highly activ). Besides histones, SET ription factor complex, a lates transcription in a p e II, which may potentiate protein stability and lead present another mechar | a conserved catalytic rithorax proteins. ons of the genome thylation of histone component of the ethyltransferase y inhibiting the e H3 and interfering re on free histone T7/SET9 also and Lys372 of the promoter-specific e pre-initiation ds to upregulation of | | |
| Background Refer | 2. 3. 4. \ 5. \ 6. | Nishioka, K. et al. (200 Kubicek, S. et al. (200 Lin, W. and Dent, S.Y. Wysocka, J. et al. (200 Wysocka, J. et al. (200 Kouskouti, A. et al. (200 Chuikov, S. et al. (200 | 6) Ernst Schering (2006) Curr. Opin 06) Nature 442, 86 05) Cell 121, 859-8 004) Mol. Cell 14, 2 | Res. Found. Worksł . Genet. Dev. 16, 13 5-90. 372. 175-182. | | | | |
| Species Reactivity | y Spe | Species reactivity is determined by testing in at least one approved application (e.g., western blot). | | | | | | |
| Western Blot Buff | •• | PORTANT: For western % Tween® 20 at 4°C v | , | ate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, naking, overnight. | | | | |
| Applications Key | WE | WB: Western Blotting | | | | | | |
| Cross-Reactivity H | X: > | | B: bovine Dg: dog | ster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster g: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse becies expected | | | | |

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Limited Uses

SET7/SET9 Antibody (#2813) Datasheet Without Images Cell Signaling Technology

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