| Tri-Methyl-Histone H3 (Lys36) Antibody | | | | | | ell Signaling снмогодү® | |
|---|--|--|---|--|---|--|--|
| Store | | | | | Orders: | 877-616-CELL (2355) orders@cellsignal.com | |
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| #9763 | | | | | Web: | info@cellsignal.com cellsignal.com | |
| | Not for Lico i | n Diagnostic Broc | oduroc | 3 Trask | Lane Danvers Ma | ssachusetts 01923 USA | |
| For Research Use Only. Applications: WB | Reactivity: H M R Mk | Sensitivity: Endogenous | MW (kDa): 17 | Source: Rabbit | UniProt ID: #P68431 | Entrez-Gene Id: 8350 | |
| Product Usage | A | pplication | | | Dilution | | |
| Information | W | /estern Blotting | | | 1:1000 | | |
| Storage | | pplied in 10 mM sodi °C. Do not aliquot the | | 5), 150 mM NaCl, 10 | 0 μg/ml BSA and 50% | 6 glycerol. Store at – | |
| Specificity / Sensit | on Ly: | Tri-Methyl-Histone H3 (Lys36) Antibody detects endogenous levels of histone H3 only when tri-methylated on Lys36. The antibody does not cross-react with non-methylated, mono-methylated, or di-methylated Lys36. In addition, the antibody does not cross-react with methylated histone H3 Lys4, Lys9, Lys27 or methylated histone H4 Lys20. | | | | | |
| Source / Purification | an | Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to the amino terminus of histone H3 in which lysine 36 is tri-methylated. Antibodies are purified by protein A and peptide affinity chromatography. | | | | | |
| Background | blo be ac de pro an mo co Tri an res mo Wi | ock of chromatin. Orig en shown to be dyna etylation, phosphoryl terminant for the forn ogramming of the ger d H4 (Arg3) promote ethyltransferases (PR ore diverse set of hist nserved catalytic SE ⁻ thorax proteins. Lysir d has been implicate sidues coordinates th odules such as chrom D-40 domains (WDR | yinally thought to fu mic proteins, unde ation, methylation, nation of active and nome during develo s transcriptional ac MTs), including the one lysine methylati f domain originally ne methylation occu d in both transcript e recruitment of ch nodomains (HP1, P 5) (5-8). The discov | anction as a static sca rgoing multiple types and ubiquitination (1) d inactive regions of t opment (2,3). Argining tivation and is media e co-activators PRMT cansferases has beer identified in the <i>Dros</i> urs primarily on histor ional activation and s romatin modifying en PRC1), PHD fingers (I very of histone demen | of post-translational I b. Histone methylation he genome and is cru e methylation of histo ted by a family of prof 1 and CARM1 (PRM 1 identified, all but one cophila Su(var)3-9, Er | ing, histones have now modifications, including n is a major ucial for the proper nes H3 (Arg2, 17, 26) tein arginine T4) (4). In contrast, a e of which contain a nhancer of zeste, and 36, 79) and H4 (Lys20) ion of these lysine ethyl-lysine binding pomains (53BP1), and D14, LSD1, JMJD1, | |
| Background Refer | 2. 3. 4. 5. 6. 7. 8. | Peterson, C.L. and Li Kubicek, S. et al. (20 Lin, W. and Dent, S.Y Lee, D.Y. et al. (2005 Daniel, J.A. et al. (20 Shi, X. et al. (2006) <i>N</i> Wysocka, J. et al. (20 Wysocka, J. et al. (20 Trojer, P. and Reinbe | 06) Ernst Schering 7. (2006) Curr Opin) Endocr Rev 26, 1 05) Cell Cycle 4, 9 Jature 442, 96-9. 006) Nature 442, 86 005) Cell 121, 859- | Res Found Worksho Genet Dev 16, 137-4 .47-70. 19-26. 6-90. 72. | p, 1-27. | | |
| Species Reactivity | y Spe | ecies reactivity is dete | ermined by testing | in at least one approv | ved application (e.g., | western blot). | |
| Western Blot Buffe | | PORTANT: For wester % Tween® 20 at 4°C | | | d primary antibody in | 5% w/v BSA, 1X TBS, | |
| Applications Key | W | 3: Western Blotting | | | | | |
| Cross-Reactivity K | Cey | | | | | | |
| | | | | | | | |

| 1/1/24, 3:35 PM | Tri-Methyl-Histone H3 (Lys36) Antibody (#9763) 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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