| e at -20C | CDK8 (G398) Antibody | T C | | |
|-----------|----------------------|----------------------------|--|--|
| Store at | | Orders: | 877-616-CELL (2355) orders@cellsignal.com | |
|)1 | | Support: | 877-678-TECH (8324) | |
| #4101 | | Web: | info@cellsignal.com cellsignal.com | |
| # | | 3 Trask Lane Danvers I | Massachusetts 01923 USA | |

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

| Applications: WB | Reactivity: H M Mk | Sensitivity: Endogenous | MW (kDa): 53 | Source: Rabbit | UniProt ID: #P49336 | Entrez-Gene Id: 1024 | |
|------------------------------|--|---|---|---|---|---|--|
| Product Usage Information | • | pplication estern Blotting | | | Dilution 1:1000 | | |
| 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 | | CDK8 (G398) Antibody detects endogenous levels of total CDK8 protein. | | | | | |
| Source / Purification | | Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gly398 of human CDK8. Antibodies are purified using protein A and peptide affinity chromatography. | | | | | |
| Background | regi dist Med dep celli CDI thou Exp Higi prol CDI inhi | ulators to RNA polym inct Mediator subunit diator complex intera bendent signaling (3), s (6,7). K8/Cyclin C, along w ught to act as a mole pression of CDK8 abr h levels of CDK8 coil liferation can be inhik K8 can phosphorylat | herase II (Pol II) an ts and transcription ctions control vario stem cell pluripote ith Med12 and Mer cular switch, inhibi rogates E2F-1-dep ncide with high β-c bited by suppressin e Ser727 on STAT | d the basal transcrip factors allow for sp bus biological process ency and self renewa d13, constitute a sul- ting Pol II recruitmenendent inhibition of atenin-dependent tra- ig CDK8 expression 1, which reduces na | omplex that couples spe otion machinery. Interact ecific gene regulation (re- sses, including insulin sig al (4,5), and proliferation ocomplex within the Mec- nt and transcription initia 3-catenin activity in color anscription in colon cand (8). tural killer (NK) cell toxic ce NK cell activity and c | ions between eviewed in 1). gnaling (2), NF-ĸB- of colon cancer liator Complex tion (8,9). n cancer cells (9). cer cells, and their ity (10,11). As such, | |
| Background Refe | 2. W 3. v 4. T 5. V 6. F 7. M 8. K 9. K 10. B 11. P 12. D | Malik, S. and Roeder, Vang, W. et al. (2009 an Essen, D. et al. (2 futter, A.V. et al. (200 Varelas, X. et al. (200 Varelas, X. et al. (200 Morris, E.J. et al. (200 Morris, E.J. et al. (200 Morris, E.J. et al. (200 Morris, E.J. et al. (201 Guuesel, M.T. et al. (201 Putz, E.M. et al. (2015) Maxymski, T. et al. (201 |) Dev Cell 16, 764 2009) PLoS Biol 7, 9) J Biol Chem 284 8) Nat Cell Biol 10, 08) Nature 455, 54 08) Nature 455, 55 009) Mol Cell Biol 009) Genes Dev 2 013) Immunity 38, 2 3) Cell Rep 4, 437- Nat Chem Biol 11, | 71. e73. 4, 3709-18. 837-48. 7-51. 2-6. 29, 650-61. 3, 439-51. 250-62. 44. | 256-63. | | |
| Species Reactivit | ty Spec | cies reactivity is dete | rmined by testing i | n at least one appro | ved application (e.g., we | stern blot). | |
| Western Blot Buf | | 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 | wB | : Western Blotting | | | | | |
| Cross-Reactivity | Кеу | | | | | | |

| 1/1/24, 9:37 AM | CDK8 (G398) Antibody (#4101) 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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