3/23/24, 1:39 PM Revision 5

| REVISION 5                                |   |   |  |   |  |  |
|---|---|---|--|---|--|--|
| #96687 Sucret at -20C 20C 20C             |   |   | CHNOLOGY®<br>877-616-CELL (2355)   |   |  |  |
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| #   |   |   | 3 Trask L  | ane Danvers Ma  | ssachusetts   01923   USA  |  |
| For Research Use Only. No                 | ot for Use in Diagnostic Proc   | edures.   |  |   |  |  |
| Applications: R<br>WB, IP, ChIP, ChIP-seq | Reactivity:Sensitivity:H MkEndogenous   | <b>MW (kDa):</b><br>180   | Source/Isotype:<br>Rabbit IgG  | UniProt ID:<br>#Q15596  | Entrez-Gene Id:<br>10499   |  |
| Product Usage<br>Information              |   |   | μl of antibody and 10 μς<br>using SimpleChIP <sup>®</sup> Enz  |   |  |  |
|   | Application   |   |  | Dilutior  | ı  |  |
|   | Western Blotting  |   |  | 1:1000  |  |  |
|   | Immunoprecipitation   |   |  | 1:100   |  |  |
|   | Chromatin IP  |   |  | 1:50  |  |  |
|   | Chromatin IP-seq  |   |  | 1:50  |  |  |
| Storage                                   |   | Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliguot the antibody.  |  |   |  |  |
| Specificity / Sensitivi                   | ty SRC-2 (D2X4M) Rabb   | it mAb recognizes   | s endogenous levels of t   | otal SRC-2 protein.   |  |  |
| Source / Purification                     | -   |   | nunizing animals with a<br>I SRC-2 protein.  | synthetic peptide co  | rresponding to   |  |
| Background                                | SRC-2 (TIF2/GRIP1/N<br>share significant struct<br>receptors and other tra<br>proteins, SRC-1 and S<br>members can recruit o<br>(PRMT1, CARM1) to ta<br>SRC proteins play imp<br>survival, somatic cell g<br>vasoprotection (9). SR<br>estrogen receptor and<br>phosphorylation sites h<br>and involve multiple kin<br>members are associate<br>carcinomas. According<br>cancers (12), and SRC  | CoA-2), and SRC<br>ural homology and<br>anscriptional activa<br>RC-3, function as<br>ther histone acety<br>arget promoters a<br>ortant roles in mu<br>rowth, mammary<br>C-1 and SRC-3 al<br>other transcription<br>have been identified<br>hase signaling pate<br>ed with increased<br>to the literature, S<br>C-1/PAX3 and SRC | receptor co-activator (SI<br>-3 (ACTR/pCIP/RAC3/T<br>d function to stimulate tr<br>ators such as Stat3, NF-<br>histone acetyltransferae<br>/transferases (CBP/p30<br>nd cooperate to enhanc<br>ltiple physiological proce<br>gland development, fem<br>re conduits for kinase-m<br>nal activators. Seven SF<br>ed, which are induced by<br>thways (9-11). Research<br>activity of nuclear recep<br>SRC-3 is frequently amp<br>C-2/MYST3 translocation<br>leukemia, respectively (2 | RAM-1/AIB1). All SI<br>ranscription mediate<br>KB, E2F1, and p53<br>ses (5,6). In additior<br>0, PCAF) and histor<br>e expression of mar<br>esses including cell<br>hale reproductive fur<br>rediated growth factor<br>RC-1 phosphorylatio<br>y steroids, cytokines<br>in has shown that all<br>botors in breast, prost<br>polified or overexpres<br>ns are found associa | RC family members<br>d by nuclear hormone<br>(1-4). Two SRC<br>n, all three family<br>ne methyltransferases<br>by genes (5-8). The<br>proliferation, cell<br>notion, and<br>or signaling to the<br>n sites and six SRC-3<br>s, and growth factors<br>three SRC family<br>rate, and ovarian<br>sed in a number of |  |
| Background Referen                        | <ul> <li>Ces 1. Giraud, S. et al. (200<br/>2. Na, S.Y. et al. (1998)<br/>3. Louie, M.C. et al. (200<br/>4. Lee, S.K. et al. (1999)<br/>5. Spencer, T.E. et al. (1997)<br/>7. Koh, S.S. et al. (200<br/>8. Chen, D. et al. (1999)<br/>9. Wu, R.C. et al. (2004)<br/>10. Rowan, B.G. et al. (2014)<br/>11. Zhou, H.J. et al. (2014)<br/>12. Torres-Arzayus, M.I.<br/>13. Wachtel, M. et al. (2014)<br/>14. Deguchi, K. et al. (2014)</li> </ul> | ) J. Biol. Chem. 2<br>004) Mol. Cell Bio.<br>9) Mol. Endocrino<br>1997) Nature 389<br>7) Cell 90, 569-58<br>1) J. Biol. Chem.<br>9) Science 284, 2:<br>4) Mol. Cell 15, 93<br>2000) J. Biol. Che<br>05) Cancer Res.<br>et al. (2004) Can<br>004) Cancer Res.  | 73, 10831-10834.<br><i>I</i> . 24, 5157-5171.<br><i>J</i> . 13, 1924-1933.<br>9, 194-198.<br>0.<br>276, 1089-1098.<br>174-2177.<br>37-949.<br><i>m</i> . 275, 4475-4483.<br>55, 7976-7983.<br><i>cer Cell</i> 6, 263-274.<br>64, 5539-5545.  |   |  |  |

| 3/23/24, 1:39 PM          | SRC-2 (D2X4M) Rabbit mAb (#96687) Datasheet Without Images Cell Signaling Technology  |  |
|---------------------------|---|--|
| Species Reactivity        | Species reactivity is determined by testing in at least one approved application (e.g., western 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          | WB: Western Blotting IP: Immunoprecipitation ChIP: Chromatin IP ChIP-seq: Chromatin IP-seq  |  |
| Cross-Reactivity Key      | 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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