Store at -20C

6891

| Orders: | 877-616-CELL (2355) orders@cellsignal.com |
|----------|--|
| Support: | 877-678-TECH (8324) |
| Web: | info@cellsignal.com cellsignal.com |

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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

Menin (D45B1) XP[®] Rabbit mAb

| Applications: WB, IF-IC | Reactivity: H M R Mk | Sensitivity: Endogenous | MW (kDa): 68 | Source/Isotype: Rabbit IgG | UniProt ID: #O00255 | Entrez-Gene Id: 4221 |
|---|--|---|---|---|--|--|
| Product Usage Information | tion Western Blotting 1:1000 | | | | | |
| 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 aliquot the antibody. | | | | |
| Specificity / Sensiti | vity Men | Menin (D45B1) XP [®] Rabbit mAb recognizes total endogenous levels of all 3 isoforms of Menin protein. | | | | of Menin protein. |
| Species predicted t react based on 100 sequence homolog | % | ne, Pig, Horse | | | | |
| Source / Purificatio | | Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Val597 of human Menin protein. | | | | esponding to |
| Background | auto ente or tru hete com facili supp and histo cont proli prote expr famil vime | somal dominant fan ropancreatic endoci uncation mutations i rozygosity in tumors ponent of the mixed tates methylation of p27 cyclin-depende one H3 Lys4 and de rast to its role as a t feration in leukemia ein-mediated transfo ession of the HoxAS ly members, estrogo | nilial tumor syndr rine tissues (1,2) in one allele of th s from these pati- l-lineage leukemi f histone H3 Lys ² f pancreatic islet ent kinase inhibito creased express tumor suppresso cells driven by N prmation of bone 9 gene (7,8). Mer en receptor, vitar uggesting additio | or gene cause multiple e rome typified by tumors b. Patients with this tumo ne <i>MEN1</i> gene, while the ents (1,2). Menin, the pr ia protein (MLL)-contain 4 to promote transcriptio cells, at least in part thr or genes (5,6). Loss of N ion of the <i>p18</i> and <i>p27</i> (g r in endocrine cells, Men MLL-fusion proteins. Men marrow cells and is req nin interacts with a wide min D receptor, PEM, NF onal roles in transcriptior egradation (9,10). | of the pituitary, parathy or syndrome have inhe e other allele is subject otein product of the <i>M</i> ing histone methyltran nal activation (3,4). Me ough MLL-mediated ac Menin leads to a decrea genes, leading to hype nin has been shown to nin is essential for onc uired for histone H3 Ly range of proteins, incl FKB, FANCD2, RPA2, 1 | yroid, lung, and rited either missense t to loss of <i>EN1</i> gene, is a sferase complex that enin functions to ctivation of the <i>p18</i> ase in methylation of rplasia (5,6). In promote ogenic MLL-fusion- ys4 methylation and luding JunD, SMAD NMMHC II-A, GFAP, |
| Background Refere | 2. Le 3. Hu 4. Yc 5. Ka 6. Sc 7. Yc 8. Cl 9. Ag | emmens, I. et al. (19 ughes, C.M. et al. (2 okoyama, A. et al. (2 arnik, S.K. et al. (20 chnepp, R.W. et al. (2 okoyama, A. et al. (2 | 997) Hum Mol Ge 2004) Mol Cell 13 2004) Mol Cell Bi 05) Proc Natl Ac (2006) Cancer R 2005) Cell 123, 2 6) Proc Natl Aca 2005) Horm Meta | 3, 587-97. ol 24, 5639-49. ad Sci USA 102, 14659 es 66, 5707-15. 07-18. d Sci USA 103, 1018-23 ab Res 37, 369-74. | | |

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

| 1/1/24, 8:08 AM | Menin (D45B1) XP® Rabbit mAb (#6891) Datasheet Without Images Cell Signaling Technolog IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TB 0.1% Tween® 20 at 4°C with gentle shaking, overnight. | |
|---------------------------|--|--|
| Applications Key | WB: Western Blotting IF-IC: Immunofluorescence (Immunocytochemistry) | |
| 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 | |
| Trademarks and Patents | Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc. XP is a registered trademark of Cell Signaling Technology, Inc. All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information. | |
| Limited Uses | Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are of no force or effect. | |
| | Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST products or services, (c) not alter or remove from the Products any trademarks, trade names, logos, patent or copyright notices or markings, (d) use the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products. | |