LIN28A (D1A1A) XP[®] Rabbit mAb (Alexa Fluor[®] 488 Conjugate)



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.

| Reactivity: H M | Sensitivity: Endogenous | Source/Isotype: Rabbit IgG | UniProt ID: #Q9H9Z2 | Entrez-Gene Id: 79727 |
|--------------------|---|--|--|--|
| | Application Immunofluorescence (Immunocytochemistry) Flow Cytometry (Fixed/Permeabilized) | | Dilution 1:400 1:50 | |
| | Supplied in PBS (pH 7.2), less than 0.1% sodium azide and 2 mg/ml BSA. Store at 4° C. Do not aliquot the antibody. Protect from light. Do not freeze. | | | |
| ty | LIN28A (D1A1A) XP [®] Rabbit mAb (Alexa Fluor [®] 488 Conjugate) recognizes endogenous levels of total LIN28A protein. | | | |
| react ience | Rat, Monkey | | | |
| ו | Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Pro201 of human LIN28A protein. | | | |
| | This Cell Signaling Technology antibody is conjugated to Alexa Fluor [®] 488 fluorescent dye and tested in-house for direct flow cytometry analysis in human cells. The antibody is expected to exhibit the same species cross-reactivity as the unconjugated LIN28A (D1A1A) XP [®] Rabbit mAb #8641. | | | |
| | LIN28A and LIN28B are conserved, developmentally regulated RNA binding proteins that inhibit the processing and maturation of the let-7 family of miRNAs (1,2). The let-7 miRNAs have been implicated in repression of oncogenes such as Ras, Myc, and HMGA2 (3). It has recently been shown that upregulation of LIN28A and LIN28B in primary human tumors and human cancer cell lines is correlated with downregulation of let-7 miRNAs (4). LIN28 genes are reported to be involved in primordial germ cell development and germ cell malignancy (5). In addition, allelic variation in LIN28B is associated with regulating the timing of puberty in humans (6). Overexpression of LIN28A, in conjunction with Oct-4, Sox2, and Nanog, can reprogram human fibroblasts to pluripotent, ES-like cells (7). | | | |
| nces | Balzer, E. and Moss, E.G. (2007) RNA Biol 4, 16-25. Piskounova, E. et al. (2008) J Biol Chem 283, 21310-4. Cho, W.C. (2007) Mol Cancer 6, 60. Viswanathan, S.R. et al. (2009) Nat Genet 41, 843-8. West, J.A. et al. (2009) Nature 460, 909-13. Ong, K.K. et al. (2009) Nat Genet 41, 729-33. Yu, J. et al. (2007) Science 318, 1917-20. | | | |
| | ty o react nence | Application Immunofluorescence (Ir Flow Cytometry (Fixed/P Supplied in PBS (pH 7.2), antibody. Protect from li ty LIN28A (D1A1A) XP® Rab LIN28A protein. Rat, Monkey Monoclonal antibody is presidues surrounding Pr This Cell Signaling Techn in-house for direct flow a species cross-reactivity at LIN28A and LIN28B are aprocessing and maturation repression of oncoger upregulation of LIN28A with downregulation of cell development and ge regulating the timing of Sox2, and Nanog, can refused to the composition of the composit | Application Immunofluorescence (Immunocytochemistry) Flow Cytometry (Fixed/Permeabilized) Supplied in PBS (pH 7.2), less than 0.1% sodium at antibody. Protect from light. Do not freeze. LIN28A (D1A1A) XP® Rabbit mAb (Alexa Fluor® 48 LIN28A protein. Rat, Monkey Monoclonal antibody is produced by immunizing residues surrounding Pro201 of human LIN28A p This Cell Signaling Technology antibody is conjugatin-house for direct flow cytometry analysis in hum species cross-reactivity as the unconjugated LIN2 LIN28A and LIN28B are conserved, developmental processing and maturation of the let-7 family of noin repression of oncogenes such as Ras, Myc, and upregulation of LIN28A and LIN28B in primary hum with downregulation of let-7 miRNAs (4). LIN28 geell development and germ cell malignancy (5). In regulating the timing of puberty in humans (6). O Sox2, and Nanog, can reprogram human fibroblation of Lina Balzer, E. and Moss, E.G. (2007) RNA Biol 4, 16-2. Piskounova, E. et al. (2008) J Biol Chem 283, 213. Cho, W.C. (2007) Mol Cancer 6, 60. 4. Viswanathan, S.R. et al. (2009) Nat Genet 41, 845. West, J.A. et al. (2009) Nature 460, 909-13. 6. Ong, K.K. et al. (2009) Nat Genet 41, 729-33. | Application Immunofluorescence (Immunocytochemistry) Flow Cytometry (Fixed/Permeabilized) Supplied in PBS (pH 7.2), less than 0.1% sodium azide and 2 mg/ml BS, antibody. Protect from light. Do not freeze. LIN28A (D1A1A) XP® Rabbit mAb (Alexa Fluor® 488 Conjugate) recogni LIN28A protein. Rat, Monkey Monoclonal antibody is produced by immunizing animals with a synth residues surrounding Pro201 of human LIN28A protein. This Cell Signaling Technology antibody is conjugated to Alexa Fluor® in-house for direct flow cytometry analysis in human cells. The antibod species cross-reactivity as the unconjugated LIN28A (D1A1A) XP® Rabb LIN28A and LIN28B are conserved, developmentally regulated RNA bin processing and maturation of the let-7 family of miRNAs (1,2). The let-in repression of oncogenes such as Ras, Myc, and HMGA2 (3). It has re upregulation of LIN28A and LIN28B in primary human tumors and hum with downregulation of let-7 miRNAs (4). LIN28 genes are reported to cell development and germ cell malignancy (5). In addition, allelic variative gulating the timing of puberty in humans (6). Overexpression of LIN Sox2, and Nanog, can reprogram human fibroblasts to pluripotent, ES 1. Balzer, E. and Moss, E.G. (2007) RNA Biol 4, 16-25. 2. Piskounova, E. et al. (2008) J Biol Chem 283, 21310-4. 3. Cho, W.C. (2007) Mol Cancer 6, 60. 4. Viswanathan, S.R. et al. (2009) Nat Genet 41, 843-8. 5. West, J.A. et al. (2009) Nat Genet 41, 729-33. |

Species Reactivity

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

Applications Key

IF-IC: Immunofluorescence (Immunocytochemistry) **FC-FP:** Flow Cytometry (Fixed/Permeabilized)

Cross-Reactivity Key

H: Human M: Mouse

Trademarks and Patents

Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.

Alexa Fluor is a registered trademark of Life Technologies Corporation.

This product is provided under an intellectual property license from Life Technologies Corporation. The transfer of this product is conditioned on the buyer using the purchased product solely in research conducted by the buyer, excluding contract research or any fee for service research, and the buyer must not (1) use this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; or (c) manufacturing or quality assurance or quality control, and/or (2) sell or transfer

this product or its components for resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008 USA or outlicensing@lifetech.com.

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.