ID3 (D16D10) Rabbit mAb



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.

| Applications: WB, IP, IF-IC, FC-FP | Reactivity: H | Sensitivity: Endogenous | MW (kDa): 13 | Source/Isotype: Rabbit IgG | UniProt ID: #Q02535 | Entrez-Gene Id: 3399 |
|---|--------------------------------------|--|------------------------|-------------------------------|---|--|
| Product Usage Information | A | pplication | | Dilution | | |
| | W | estern Blotting | | 1:1000 | | |
| | Im | nmunoprecipitation | | | 1:200 |) |
| | Im | nmunofluorescence (| Immunocytochem | 1:400 - 1:1600 | | |
| | Fl | ow Cytometry (Fixed | /Permeabilized) | 1:400 - 1:1600 | | |
| Storage | | pplied in 10 mM sodi 12% sodium azide. S | ** | μg/ml BSA, 50% glyc ⁄. | erol and less than | |
| Specificity / Sensitivity | | ID3 (D16D10) Rabbit mAb recognizes endogenous levels of total ID3 protein. | | | | |
| Species predicted to react based on 100% sequence homology: | | g, Rabbit | | | | |
| Source / Purificati | | Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human ID3 protein. | | | | |
| Inhibitor of DNA-binding/Differentiation (ID) proteins activity of basic helix-loop-helix (bHLH) transcription (ID1-4), all of which contain a helix-loop-helix domain Heterodimerization with bHLH transcription factors the prevent their binding to DNA (1). ID proteins play implication in the prevent their binding to DNA (1). ID proteins play implication of stem/progenitor system development where it has been shown to repostudies in mouse models have shown that homozygen differentiation (4) and leads to development of γδ T compartment, ID3 was shown to repress MyoD, implication in the province of the purported to promote the self-renewal capacity of purported to promote the self-renewal c | | | | | re are four known ID basic DNA binding do ctions to sequester blional roles in developing ID3 plays an importared differentiation of ID3 disrupts regulated (5). Outside of the In TGFβ-mediated muin colon cancer cells, | proteins in humans main. ILH proteins and ment, primarily by nt role in immune of T cells (3). Atory T cell nematopoietic scle repair (6). |
| Background Refe | 2. I 3. I 4. I 5. I 6. (| Yokota, Y. (2001) Oncogene 20, 8290-8. Hong, S.H. et al. (2011) J Cell Sci 124, 1445-52. Miyazaki, M. et al. (2011) Nat Immunol 12, 992-1001. Maruyama, T. et al. (2011) Nat Immunol 12, 86-95. Li, J. et al. (2010) Blood 116, 5615-21. Clever, J.L. et al. (2010) Am J Physiol Cell Physiol 298, C1087-99. O'Brien, C.A. et al. (2012) Cancer Cell 21, 777-92. | | | | |

Species Reactivity

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

Western Blot Buffer

 $IMPORTANT: For western \ blots, incubate \ membrane \ with \ diluted \ primary \ antibody \ in \ 5\% \ w/v \ nonfat \ dry$

milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

WB: Western Blotting IP: Immunoprecipitation IF-IC: Immunofluorescence (Immunocytochemistry)

FC-FP: Flow Cytometry (Fixed/Permeabilized)

Cross-Reactivity Key

ID3 (D16D10) Rabbit mAb (#9837) 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 Dq: dog Pq: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse

GP: Guinea Pig **Rab:** rabbit **All:** all species expected

Trademarks and Patents

Limited Uses

Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.
All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information

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.