| Revision 6 | |
|---|--|
| Oct-4A (C30A3) Rabbit mAb (Alexa Fluor [®] 488 Conjugate) | Cell Signaling TECHNOLOGY® |
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| antibody. Protect from light. Do not freeze. Specificity/Sensitivity Oct.44 ((30A3) Rabbit mAb (Alexa Fluor [®] 488 Conjugate) detects endogenous levels of total Oct- protein. Source / Purification Monoclonal antibody is produced by immunizing animals with recombinant protein specific to th amino terminus of human Oct.44 protein. Description This Cell Signaling Technology antibody is conjugated to Alexa Fluor [®] 488 fluorescent dye and te in-house for direct flow cytometry and immunofluorescent analysis in human cells. The antibody expected to exhibit the same species cross-reactivity as the unconjugated Oct.44 (C30A3) Rabbit #2840. Background Oct.4 (POUSF1) is a transcription factor highly expressed in undifferentiated embryonic stem cell embryonic germ cells (1). A network of key factors that includes Oct.4 Nanoa, and Sox2 is necess for the maintenance of pluripotent potential, and downregulation of Oct.4 has been shown to tr cell differentiation (2,3). Research Studies have demonstrated tha Oct.4 is a useful germ cell tur marker (4). Oct.4 exists as two splice variants, Oct.4A and Oct.4B (5). Recent studies have sugges that the Oct.4A isofort has the ability to confer and sustain pluripotency, while Oct.4B may exist some somatic, non-pluripotent cells (6,7). Background References 1. Loojienga, L.H. et al. (2003) Cancer Res 63, 2244-50. 2. Pesce, M. and Scholer, H.R. (2001) Sem Cells 12, 72-9. 4. Cheng, L. et al. (2006) J Fathol 21, 1-9. 5. Takeda, J. et al. (1992) Nucleic Acids Res 20, 4613-20. 6. Caurffman, G. et al. (2006) J Fathol 21, 1-9. 7. Lee, J. et al. (2006) J Bi | Applications: IF-IC, FC-FP | Reactivity: H M | Sensitivity: Endogenous | Source/Isotype: Rabbit IgG | UniProt ID: #Q01860 | Entrez-Gene Id: 5460 | |
|---|-------------------------------|--------------------|--|--------------------------------------|-------------------------------|----------------------------------|--|
| antibody. Protect from light. Do not freeze. Specificity/Sensitivity Oct.44 (C30A3) Rabbit mAb (Alexa Fluor® 488 Conjugate) detects endogenous levels of total Oct- protein. Source / Purification Monoclonal antibody is produced by immunizing animals with recombinant protein specific to the amino terminus of human Oct.44 protein. Description This Cell Signaling Technology antibody is conjugated to Alexa Fluor® 488 fluorescent dye and te in-house for direct flow cytometry and immunofluorescent analysis in human cells. The antibody expected to exhibit the same species cross-reactivity as the unconjugated Oct.44 (C30A3) Rabbit 42240. Background Oct.4 (POUSF1) is a transcription factor highly expressed in undifferentiated embryonic stem cell embryonic germ cells (1). A network of key factors that includes Oct.4 Naoog. and Sozi Is necess for the maintenance of pluripotent tolential, and downregulation of Oct.4 has been shown to tri cell differentiation (2,3). Research studies have demonstrated that Oct.4 is a useful germ cell tur marker (4). Oct.4 eAis soform has the ability to confer and sustain pluripotency, while Oct.48 may exist some somatic, non-pluripotent cells (6,7). Background References 1. loojienga. L.H. et al. (2007) Cell Res 17, 42-9. 1. Loogienga. L.H. et al. (2007) <i>J Pathol</i> 211, 19, 271-278. 3. Pan, G. and Thomson; JA. (2007) Cell Res 17, 42-9. 4. Cheng. L. et al. (2006) J Biol Chem 281, 23554-65. Species Reactivity Species reactivity is determined by testing in at least one approved application (e.g., western bio Cross-Reactivity Key H: Human M: Mou | | | Immunofluorescence (Immunocytochemistry) | | 1:200 - 1:800 | | |
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