

Nanog Monoclonal Antibody

Description

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|-------------------------|--|
| Product type | Primary Antibody |
| Code | BT-MCA0936 |
| Host | Mouse |
| Isotype | IgG |
| Size | 50ul, 100ul |
| Immunogen | Purified recombinant fragment of Nanog (aa20-166) expressed in E. Coli. |
| Mol wt | N/A |
| Species reactivity | Human |
| Clonality | Monoclonal |
| Recommended application | WB, IF, ICC, ELISA |
| Concentration | 1 mg/ml |
| Full name | Homeobox protein NANOG |
| Synonyms | NANOG; Homeobox protein NANOG; Homeobox transcription factor Nanog; hNanog |

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The protein encoded by this gene is a DNA binding homeobox transcription factor involved in embryonic stem (ES) cell proliferation, renewal, and pluripotency. The encoded protein can block ES cell differentiation and can also autorepress its own expression in differentiating cells. Two transcript variants encoding different isoforms have been found for this gene.

Recommended Dilution

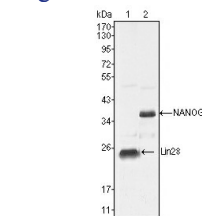
ELISA: 1:10000

IF: 1:200 - 1:1000

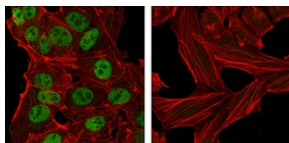
WB: 1:500 - 1:2000

Not yet tested in other applications.

Images



Western Blot analysis using Nanog Monoclonal antibody against NTERA-2 cell lysate (2).



Confocal immunofluorescence analysis of NTERA-2 cells (left) and HeLa cells (right) using Nanog Monoclonal antibody (green). Red: Actin filaments have been labeled with DY-554 phalloidin.

Storage

-20°C for one year