
Anti-Human Nanog Purified

Catalog Number: 14-5769

RUO: For Research Use Only

Product Information

Contents: Anti-Human Nanog Purified


 Catalog Number: 14-5769

Clone: hNanog.1

Concentration: 0.5 mg/ml


Host/Isotype: Mouse IgG1, κ

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

 Temperature Limitation: Store at 2-8°C.

 Batch Code: Refer to Vial

 Use By: Refer to Vial

 Caution, contains Azide

Description

The hNanog.1 antibody was generated against and reacts with human Nanog, a homeobox transcription factor. In addition to the known Oct4 and Stat3 transcriptional operating systems, Nanog plays a crucial role in the second embryonic cell fate specification following formation of the blastocyst. Nanog was identified as a gene specifically expressed in mouse ES cells and preimplantation embryos and is capable of maintaining ES cell self-renewal independently of LIF/Stat3. Potential cross-reactivity of this antibody to other proteins has not been determined.

Applications Reported

This hNanog.1 antibody has been reported for use in immunoblotting (WB), and immunohistology staining of paraffin embedded tissue sections.

Applications Tested

The hNanog.1 antibody has been tested by immunoblotting (WB) of Ntera cell lysates (1-2ug/ml).

References

Mitsui K, Tokuzawa Y, Itoh H, Segawa K, Murakami M, Takahashi K, Maruyama M, Maeda M, Yamanaka S. 2003. The homeoprotein Nanog is required for maintenance of pluripotency in mouse epiblast and ES cells. *Cell*. 113(5):631-42.

Cavaleri F, Scholer HR. 2003. Nanog: a new recruit to the embryonic stem cell orchestra. *Cell*. 113(5):551-2

Hoei-Hansen CE, Kraggerud SM, et al. 2007. Ovarian dysgerminomas are characterised by frequent KIT mutations and abundant expression of pluripotency markers. *Mol Cancer* 2;6:12. (hNanog.1, IHC paraffin, PubMed)

Related Products

11-4011 Anti-Mouse IgG FITC

11-4317 Streptavidin FITC

12-4317 Streptavidin PE

13-4013 Anti-Mouse IgG Biotin (Polyclonal)

14-4714 Mouse IgG1 K Isotype Control Purified

14-5768 Anti-Human Nanog Purified (hNanog.2)

17-4317 Streptavidin APC

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