
NANOG (1E6C) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 252838

Unit: 0.1 ml

Description:

Nanog (Homeobox protein NANOG) is a transcription regulator involved in inner cell mass and embryonic stem (ES) cells proliferation and self-renewal. Nanog imposes pluripotency on ES cells and prevents their differentiation towards extraembryonic endoderm and trophoblast lineages. Nanog blocks bone morphogenetic protein-induced mesoderm differentiation of ES cells by physically interacting with SMAD1 and interfering with the recruitment of coactivators to the active SMAD transcriptional complexes.

Isotype: Mouse IgG1

Applications: WB, IF

Species Reactivity: H

Format: Each vial contains 0.1 ml ascitic fluid with 0.03% sodium azide.

Alternate Names: Nanog; Homeobox protein NANOG; Homeobox transcription factor Nanog; hNanog; ES cell-associated protein 4; Early embryo specific expression NK-type homeobox protein; Ecat4; Enk

Accession No.: Q80Z64

Antigen: Purified recombinant fragment of NANOG (aa20-166) expressed in E. coli.

Application Notes: WB: 1:500-1:2000; IF: 1:200-1:1000;

Storage: Store at 4°C for short term use only. Store at -20°C for storage over 1 month. Product is guaranteed 6 months from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.