

Product Datasheet

Nanog (6F5) Mouse mAb

Catalog No: AB3494

Reactivity: Human

Isotype: Mouse IgG1

Applications: WB, ICC/IF



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Information

UniProt ID: Q9H9S0

All Names: NANOG; Homeobox protein NANOG; Homeobox transcription factor Nanog; hNanog

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 35kDa

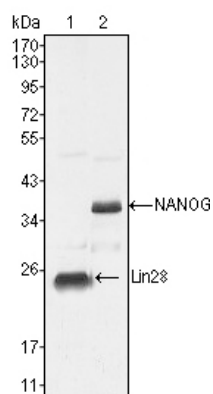
Application

WB: 1/500-1/1000

ICC/IF: 1/50-1/200

Background

Swiss-Prot Acc.Q9H9S0.NANOG: Nanog homeobox. Entrez Protein NP_079141. Nanog is a divergent homeodomain protein that directs pluripotency and differentiation of undifferentiated embryonic stem cells. Nanog mRNA is present in pluripotent mouse and human cell lines, and absent from differentiated cells. Human Nanog protein shares 52% overall amino acid identity with the mouse protein and 85% identity in the homeodomain. Human Nanog maps to gene locus 12p13.31, whereas mouse Nanog maps to gene loci 6 F2. Murine embryonic Nanog expression is detected in the inner cell mass of the blastocyst. High levels of human Nanog expression were detected by Northern analysis in the undifferentiated N-Tera embryonal carcinoma cell line.



Western blot analysis of Nanog (6F5) in NTERA2 lysates using Nanog (6F5) antibody.

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