

Product Datasheet

Nanog Antibody

Catalog No: CY5611

Reactivity: Human

Isotype: Rabbit IgG

Applications: WB IHC ICC/IF FC



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Information

UniProt ID: Q9H9S0

All Names: Homeobox transcription factor Nanog

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.: 37 kDa

Application

WB: 1:500~1:2000

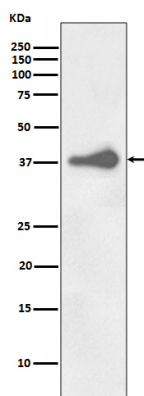
IHC: 1:50~1:200

ICC/IF: 1:50~1:200

FC: 1:50

Background

Transcription regulator involved in inner cell mass and embryonic stem (ES) cells proliferation and self-renewal. Imposes pluripotency on ES cells and prevents their differentiation towards extraembryonic endoderm and trophoblast lineages. 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. By similarity. Acts as a transcriptional activator or repressor. By similarity. Binds optimally to the DNA consensus sequence 5'-TAAT[GT][GT]-3' or 5'-[CG][GA][CG][GC]ATTAN[GC]-3'. By similarity. When overexpressed, promotes cells to enter into S phase and proliferation.



Western blot analysis of Nanog expression in NCCIT cell lysate.

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