

35-1677: Polyclonal Antibody to Nanog

Clonality :	Polyclonal
Application :	WB
Reactivity :	Human,Mouse
Gene :	NANOG
Gene ID :	79923
Uniprot ID :	Q9H9S0
Format :	Purified
Alternative Name :	Homeobox transcription factor Nanog
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around aa.137~141 (K-Q-V-K-T) derived from Nano g

Description

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 trophectoderm 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]C[GC]ATTAN[GC]-3' By similarity. When overexpressed, promotes cells to enter into S phase and proliferation

Product Info

Amount :	50 µl / 100 µl
Content :	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Predicted MW: 42kd, Western blotting: 1:1000

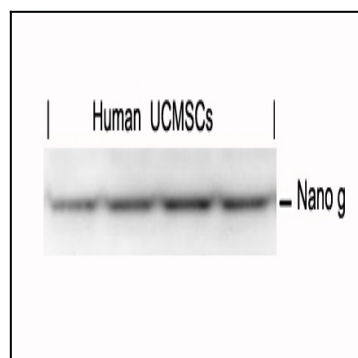


Figure 1: Western blot analysis of extracts from human Umbilical cord mesenchymal stem cell using Nano g Antibody 35-1677 .