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Product datasheet for AP26063PU-S

NANOG (137-141) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	**Western blot:** 1/1000.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide sequence around aa.137~141 derived from Nanog
Specificity:	This antibody detects endogenous level of total Nanog protein.
Formulation:	Phosphate buffered saline (without Mg^{2+} and Ca^{2+}), pH 7.4, 150mM NaCl, 0.02% Sodium Azide and 50% Glycerol State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity Chromatography using epitope-specific peptide
Conjugation:	Unconjugated
Storage:	Store (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	42 kDa
Gene Name:	Nanog homeobox
Database Link:	Entrez Gene 71950 MouseEntrez Gene 79923 Human Q9H9S0

View online »

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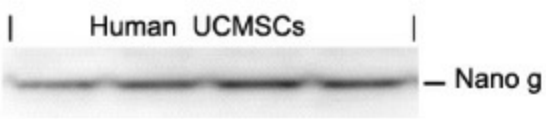
Background: Transcription regulator involved in inner cell mass and embryonic stem (ES) cells proliferation and self-renewal. Imposes pluripotency on ES cells and prevents their differentiation towards extraembryonic endoderm and trophectoderm lineages. Blocks bone morphogenetic protein-induced mesoderm 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.

Synonyms: FLJ12581; FLJ40451; hNanog

Protein Families: Cancer stem cells, Embryonic stem cells, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Stem cell - Pluripotency

Product images:



Western blot analysis of extracts from human Umbilical cord mesenchymal stem cell using Nanog Antibody.

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