

Product datasheet for **TA336771**

NANOG Mouse Monoclonal Antibody [Clone ID: 1E6C4]

Product data:

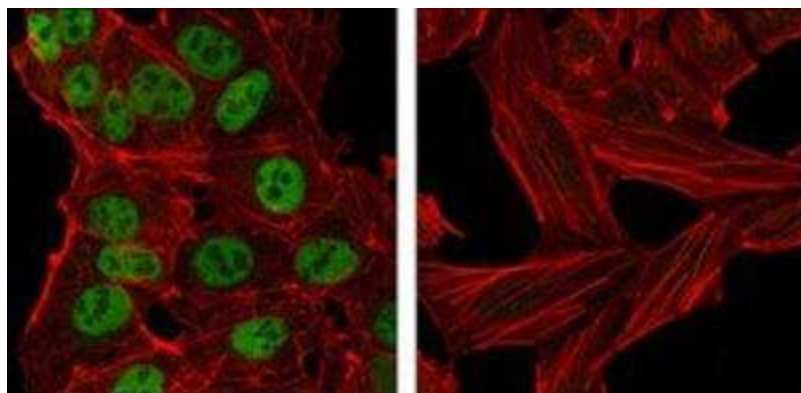
Product Type:	Primary Antibodies
Clone Name:	1E6C4
Applications:	ELISA, ICC/IF, WB
Recommended Dilution:	Western Blot: 1:500-1:2000, ELISA: 1:10000, Immunocytochemistry/ Immunofluorescence: 1:200-1:1000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human Nanog (amino acids 20-166) expressed in E. coli. [UniProt# Q9H9S0]
Formulation:	Preservative: 0.05% Sodium Azide. Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Ascites
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	35 kDa
Gene Name:	Nanog homeobox
Database Link:	NP_079141 Entrez Gene 79923 Human Q9H9S0



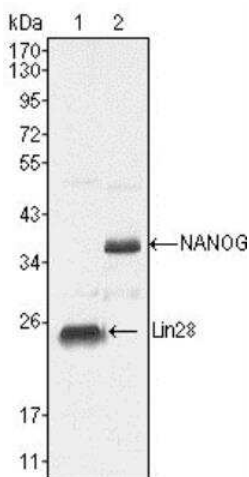
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- Background:** Nanog is a divergent homeodomain protein that directs pluripotency and differentiation of undifferentiated embryonic stem cells. Nanog mRNA is present in pluripotent mouse and human cell lines, and absent from differentiated cells. 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.
- Synonyms:** homeobox transcription factor Nanog; homeobox transcription factor Nanog-delta 48; Nanog homeobox
- Note:** This Nanog (1E6C4) antibody is useful for Western blot, Immunocytochemistry/Immunofluorescence and ELISA.
- Protein Families:** Cancer stem cells, Embryonic stem cells, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Stem cell - Pluripotency

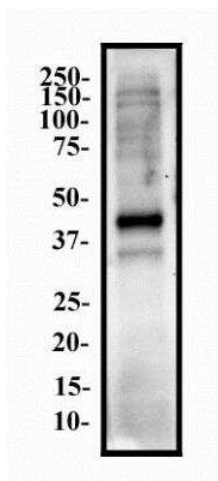
Product images:



Immunocytochemistry/Immunofluorescence: Nanog Antibody (1E6C4) TA336771 - Confocal immunofluorescence analysis of NTERA-2 cells (left) and HeLa cells (right) using anti-Nanog Mouse mAb (green). Red: Actin filaments have been labeled with DY-554 phalloidin.



Western Blot: Nanog Antibody (1E6C4) TA336771 - Western blot analysis using anti-Nanog monoclonal antibody against NTERA-2 cell lysate (lane 2).



Western Blot: Nanog Antibody (1E6C4) TA336771 - Whole cell protein from NTERA-2 was separated on a 12% gel by SDS-PAGE, transferred to PVDF membrane and blocked in 5% non-fat milk in TBST. The membrane was probed with 2.0 mg/ml anti-Nanog in 1% milk. Protein was detected with an anti-mouse HRP secondary antibody using chemiluminescence.