

## Product datasheet for TA336771

### NANOG Mouse Monoclonal Antibody [Clone ID: 1E6C4]

#### Product data:

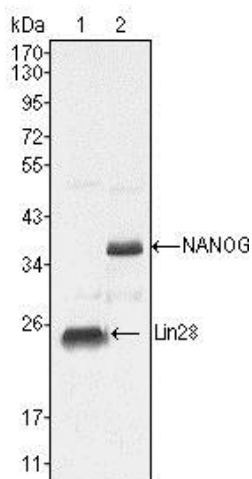
Product Type:	Primary Antibodies
Clone Name:	1E6C4
Applications:	IF, WB
Recommend Dilution:	WB: 1:500-1:2000, ELISA: 1:10000, IF: 1:200-1:1000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human Nanog (amino acids 20-166) expressed in E. coli. [UniProt# Q9H9S0]
Formulation:	Preservative: 0.05% Sodium Azide. Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Concentration:	This product is unpurified. The exact concentration of antibody is not quantifiable.
Purification:	Ascites
Predicted Protein Size:	35 kDa
Gene Name:	Nanog homeobox
Database Link:	<a href="#">NP_079141</a> <a href="#">Entrez Gene 79923</a> <a href="#">Human</a>
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.



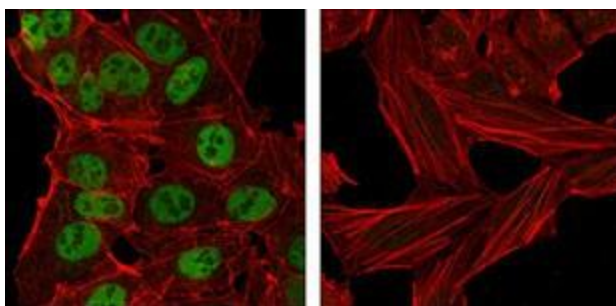
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**Protein Families:** Cancer stem cells, Embryonic stem cells, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Stem cell - Pluripotency

### Product images:



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



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 phalloid