

## Product datasheet for **TA384835**

### **NANOG Mouse Monoclonal Antibody [Clone ID: 6F5-8F5-4D6]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	6F5-8F5-4D6
Applications:	IF, WB
Recommended Dilution:	WB: 1/500-1/2000 ICC: 1/200-1/1000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of NANOG (aa20-166) expressed in E. Coli.
Formulation:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.03% Proclin 300, pH 7.3.
Concentration:	lot specific
Purification:	Ascitic Fluid
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Stability:	1 year
Predicted Protein Size:	35kDa
Gene Name:	Nanog homeobox
Database Link:	<a href="#">Entrez Gene 79923 Human Q9H9S0</a>



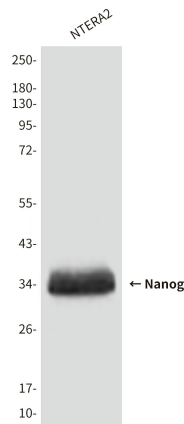
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**Background:**

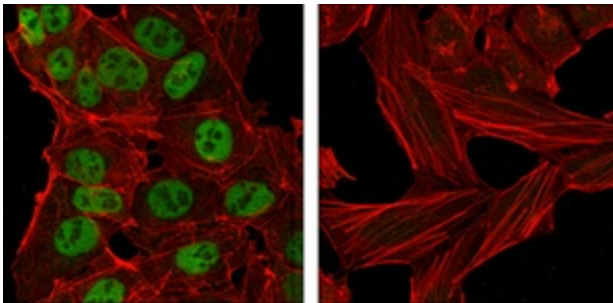
Swiss-Prot Acc.Q9H9S0.NANOG: Nanog homeobox. Entrez Protein NP\_079141. Nanog is a divergent homeodomain protein that directs pluripotency and differentiation of undifferentiated embryonic stem cells. Nanog mRNA is present in pluripotent mouse and human cell lines, and absent from differentiated cells. 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. High levels of human Nanog expression were detected by Northern analysis in the undifferentiated N-Tera embryonal carcinoma cell line.

**Synonyms:**

FLJ12581; FLJ40451; hNanog

**Product images:**

Western blot analysis of Nanog (6F5) in NTERA-2 lysates using Nanog (6F5) antibody.



Immunofluorescence analysis of Nanog (6F5) in NTERA-2 cells (left) and HeLa cells (right) using Nanog antibody (green). Red: Actin filaments have been labeled with DY554 phalloidin.