



Anti human Nanog Polyclonal antibody

Back Ground

Transcriptional factors, OCT3/4 (POU5F1) and STAT3 function as key regulators in maintaining pluripotency of stem cells. Thus, POU5F1 and STAT3 have been widely used as molecular markers of pluripotential stem cells. Pluripotential cell-specific *Nanog* gene is a newly identified homeodomain-bearing transcriptional factor^{1),2)}. Importantly, *Nanog* is expressed specific to early embryos and pluripotential stem cells including mouse and human embryonic stem (ES) and embryonic germ (EG) cells. It is a key molecule involved in the signaling pathway for maintaining the capacity for self-renewal and pluripotency, bypassing regulation by the STAT3 pathway. Therefore, *Nanog* is one of the molecular markers suitable for recognizing the undifferentiated state of stem cells in the mouse and human.

Reference

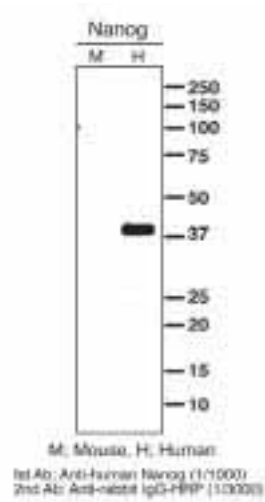
1. Mitsui, K. et al. : Cell. 2003 May 30; 113(5):631-642

Details

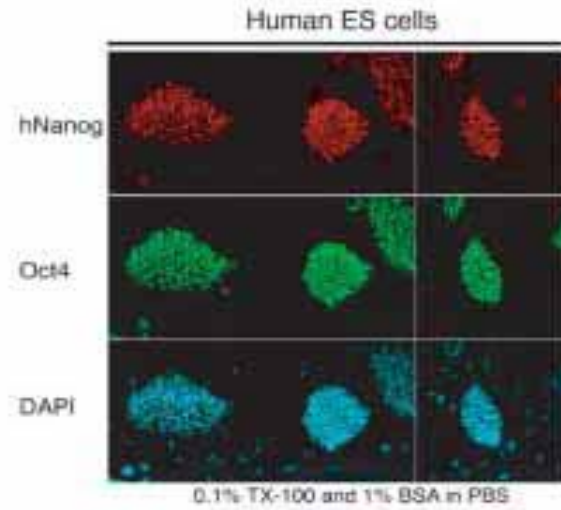
Package Size:	100ul (0.2mg / ml)
Form:	affinity purified polyclonal antibody, Liquid
Immunogen:	Human Nanog peptide
Storage Buffer:	PBS, pH7.4 (0.1% sodium azide as preservatives)
Storage Condition:	4°C~-20°C
Applications:	Western blot / Immunocytochemistry



Western Blotting



Immunocytochemically



For research use only; not for use as a diagnostic

Distributor



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Inspiration for Life Science

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