

Product datasheet for **TA354865**

NANOG Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Recommended Dilution:	WB 0.1-1 µg/ml ELISA 0.01-0.1 µg/ml IP 2-5 µg/ml IHC 2-10 µg/ml FC 5-10 µg/ml
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The Synthetic peptide corresponding to the N-term of human Nanog (29aa-50aa).
Formulation:	This affinity purified antibody is supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer.
Purification:	The Rabbit IgG is purified by Epitope Affinity Purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	42 kDa
Gene Name:	Nanog homeobox
Database Link:	NP_001284627 Entrez Gene 79923 Human Q9H9S0
Background:	Embryonic stem (ES) cells derived from the inner cell mass (ICM) of blastocysts grow infinitely while maintaining pluripotency. Leukemia inhibitory factor (LIF) can maintain self-renewal of mouse ES cells through activation of Stat3. However, LIF/Stat3 is dispensable for maintenance of ICM and human ES cells, suggesting that the pathway is not fundamental for pluripotency. Nanog is a homeodomain containing transcription factor that is essential for the maintenance of pluripotency and self renewal in embryonic stem cells and ICM. Nanog expression is controlled by a network of factors including Sox2 and the key pluripotency regulator Oct4 and other transcription factors such as KLF4, c-Myc and Lin28.
Synonyms:	FLJ12581; FLJ40451; hNanog



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Protein Families:

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