

Product datasheet for **TA320426**

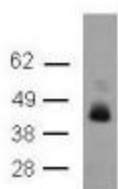
NANOG Mouse Monoclonal Antibody [Clone ID: hNanog.2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	hNanog.2
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Formulation:	Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	Nanog homeobox
Database Link:	NP_079141 Entrez Gene 79923 Human Q9H9S0
Background:	The hNanog.2 antibody was generated against and reacts with human Nanog, a homeobox transcription factor. In addition to the known Oct4 and Stat3 transcriptional operating systems, Nanog plays a crucial role in the second embryonic cell fate specification following formation of the blastocyst. Nanog was identified as a gene specifically expressed in mouse ES cells and preimplantation embryos and is capable of maintaining ES cell self-renewal independently of LIF/Stat3. Potential cross-reactivity of this antibody to other proteins has not been determined.
Synonyms:	homeobox transcription factor Nanog; homeobox transcription factor Nanog-delta 48; Nanog homeobox
Protein Families:	Cancer stem cells, Embryonic stem cells, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Stem cell - Pluripotency



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Product images:

NTERA cell line lysate was loaded at 1×10^5 cells/lane, probed with 1 $\mu\text{g}/\text{mL}$ of Anti-Human Nanog Purified and revealed with Anti-Mouse IgG HRP.