Mouse Nanog Monoclonal Antibody | anti-NANOG antibody

Nanog antibody

CATALOG #	HOST	APPLICATIONS
AAA74725	**Mouse**	**Western Blot, Immunofluorescence, ELISA**

PRODUCT SYNONYMS

Nanog; Monoclonal Antibody; Nanog antibody; Monoclonal Nanog; Anti-Nanog; Homeobox protein NANOG; hNanog; Embryonic stem cell specific homeobox protein; Homeobox transcription factor Nanog; ENK; Anti Nanog; anti-NANOG antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	1E6C4
Form/Format	Supplied as a liquid in ascitic fluid containing 0.03% sodium azide.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	305
Applicable Applications for anti-NANOG antibody	WB (Western Blot), IF (Immunofluorescence), ELISA
Biological Significance	The transcriptional factor Nanog functions in maintaining pluripotency in cooperation with other key genes such as Oct4. Oct4 and Sox2 bind to the Nanog promoter in mouse and human embryonic stem cell. Nanog levels allow stem cells to balance the creation of lineage-committed and undifferentiated cells.
Cross-Reactivity	Human
Immunogen	Nanog antibody was raised in Mouse using a purified recombinant fragment of Nanog (aa20-166) expressed in E Coli as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES

IF (Immunofluorescence)
Confocal immunofluorescence analysis of NTERA-2 cells (left) and HeLa cells (right) using Nanog antibody (green). Red: Actin filaments have been labeled with DY-554 phalloidin.

WB (Western Blot)
Western Blot showing NANOG antibody used against NTERA-2 cell lysate (2).

ADDITIONAL INFORMATION

Related Product Information for anti-NANOG antibody	Mouse monoclonal Nanog antibody
Product Categories/Family for anti-NANOG antibody	Differentiation & Development

NCBI AND UNIPROT INFORMATION

NCBI GI #	47716683
NCBI GeneID	79923
UniProt Accession #	Q9H9S0; Q2TTG0; Q6JZS5; D3DUU4
Molecular Weight	32,838 Da
NCBI Official Full Name	NANOG
NCBI Official Synonym Full Names	Nanog homeobox
NCBI Official Symbol	NANOG
NCBI Protein Information	homeobox protein NANOG
UniProt Protein Name	Homeobox protein NANOG
UniProt Gene Name	**NANOG**
UniProt Synonym Gene Names	hNanog
UniProt Entry Name	NANOG_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/nanog-antibody-clone-1e6c4-western-blot-immunofluorescence-elisa/74725