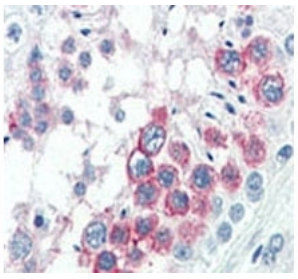
NANOG Antibody (F44248)

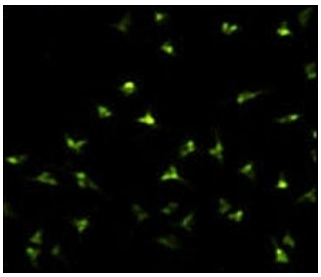
Catalog No.	Formulation	Size
F44248-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F44248-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

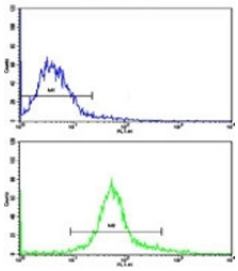
Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Bovine, Primate
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Purified
UniProt	Q9H9S0
Applications	IHC (Paraffin) : 1:10-1:50 Immunofluorescence : 1:10-1:50 Flow Cytometry : 1:10-1:50
Limitations	This NANOG antibody is available for research use only.



IHC analysis of FFPE human testis tissue stained with NANOG antibody



Immunofluorescence analysis of NANOG antibody with HeLa cells . Primary antibody was followed by FITC-conjugated goat anti-rabbit IgG (whole molecule). FITC emits green fluorescence.



Flow cytometric analysis of HeLa cells using NANOG antibody (bottom histogram) compared to a negative control (top histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

Description

NANOG protein is a 305 amino acid protein with a conserved homeodomain motif that is localized to the nuclear component of cells. The homeodomain region facilitates DNA binding. It is a transcription factor in embryonic stem cells (ESCs) and is thought to be a key factor in maintaining pluripotency. NANOG is thought to function in concert with other factors such as POU5F1 (Oct-4) and SOX2 to establish ESC identity. [Wiki]

Application Notes

Titration of the NANOG antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 94-123 from the human protein was used as the immunogen for this NANOG antibody.

Storage

Aliquot the NANOG antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.