

Nanog Polyclonal Antibody

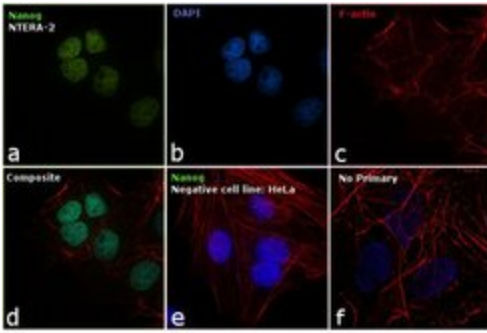
Product Details	
Size	100 µg
Species	Human
Published Species	Human
Expression System	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Full-length human recombinant protein expressed in bacteria
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS with 1mg/mL BSA, 30% glycerol
Contains	0.05% sodium azide
Storage Conditions	-20°C
RRID	AB_2539867

Applications	Tested Dilution	Publications
ChIP assay (ChIP)	1-3 µL	-
Immunocytochemistry (ICC)	5 µg/mL	3 Publications
Immunofluorescence (IF)	5 µg/mL	3 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1000	-
Western Blot (WB)	1:1000	3 Publications
Immunohistochemistry (IHC)	-	1 Publication

Product Specific Information

This antibody is not recommended for mouse testes tissue or human ovarian carcinoma in IHC applications.

Advanced Verification Data

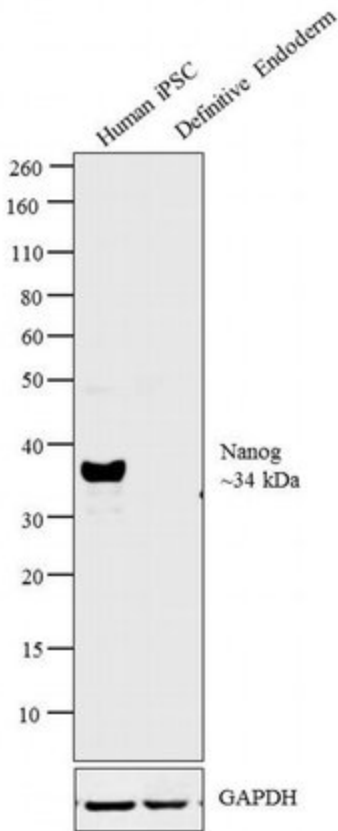


Nanog Antibody (PA1-097)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell models owing to their inherent genetic constitution. Immunofluorescence analysis using Nanog Polyclonal antibody (Product # PA1-097X) showed expression of Nanog in NTERA-2 but not in HeLa which is reported to be negative for Nanog expression. Relative expression validation info.

Nanog Antibody (PA1-097)

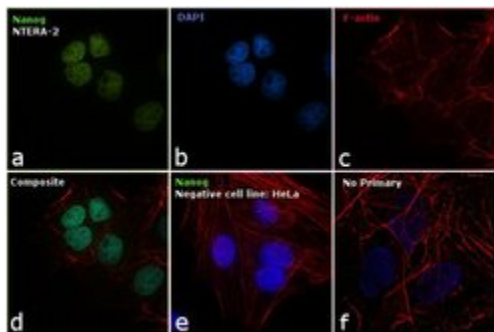
Antibody specificity was demonstrated by detection of differential basal expression of the target across cell models owing to their inherent genetic constitution. Western blot analysis using Nanog Polyclonal antibody (Product # PA1-097X) showed expression of Nanog in Human iPSC cells but not in Human derived definitive endoderm which are reported to be negative for Nanog expression. Relative expression validation info.



Product Images For Nanog Polyclonal Antibody

Nanog Antibody (PA1-097) in IF

Immunofluorescence analysis of Nanog was performed using 70% confluent log phase NTERA-2 cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with Nanog Rabbit Polyclonal Antibody (Product # PA1-097X) at 5µg/ml in 0.1% BSA, incubated at 4 degree Celsius overnight and then labeled with Goat anti-Rabbit IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing nuclear localization. Panel e shows Nanog negative cell line HeLa with no signal. Panel f represents control cells with no primary to assess background. The images were captured at 60X magnification.



[View more figures on thermofisher.com](https://www.thermofisher.com)

10 References

Immunocytochemistry (3)

Journal of cellular and molecular medicine

Establishment and characterization of induced pluripotent stem cells (iPSCs) from central nervous system lupus erythematosus.

"Published figure using Nanog polyclonal antibody (Product # PA1-097) in Immunofluorescence"

Authors: De Angelis MT, Santamaria G, Parrotta EI, Scalise S, Lo Conte M, Gasparini S, Ferlazzo E, Aguglia U, Ciampi C, Sgura A, Cuda G

Species
Not Applicable

Dilution
Not Cited

Year
2019

Scientific reports

Directed reprogramming of comprehensively characterized dental pulp stem cells extracted from natal tooth.

"Published figure using Nanog polyclonal antibody (Product # PA1-097) in Immunocytochemistry"

Authors: Pisal RV, Suchanek J, Siller R, Soukup T, Hrebikova H, Bezrouk A, Kunke D, Micuda S, Filip S, Sullivan G, Mokry J

Species
Not Applicable

Dilution
Not Cited

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2018

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Immunofluorescence (3)

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IHC (1) **WB (3)**

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