Product Datasheet

Nanog Antibody - BSA Free NB100-58842

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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G

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Publications: 64

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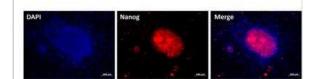
NB100-58842

Nanog Antibody - BSA Free

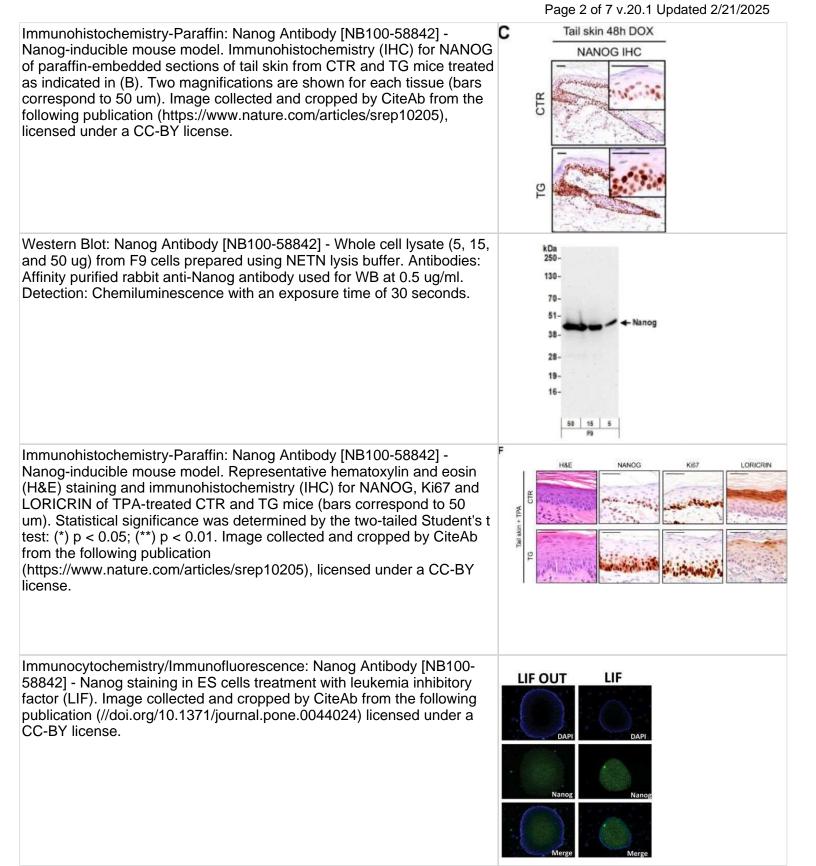
Product Information	
0.1 ml	
1.0 mg/ml	
Store at 4C. Do not freeze.	
Polyclonal	
0.09% Sodium Azide	
IgG	
Immunogen affinity purified	
Tris-Citrate/Phosphate (pH 7.0 - 8.0)	
Product Description	
Rabbit	
79923	
NANOG	
Human, Mouse	
Embryonic Stem Cell Marker	
A synthetic peptide made to the mouse Nanog protein (within residues 1-50). [Swiss-Prot Q80Z64]	
Product Application Details	
Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP), Knockout Validated	
Western Blot 1:5000-1:15000, Flow Cytometry 1:10-1:1000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:250-1:1000, Immunoprecipitation 2-5 mcg/mg lysate, Immunohistochemistry- Paraffin 1:100-1:500, Chromatin Immunoprecipitation (ChIP) 1:10-1:500, Knockout Validated	
Prior to immunostaining paraffin tissues, antigen retrieval with Tris-EDTA (pH 9.0) is recommended. Use in Chromatin Immunoprecipitation and Flow Cytometry were reported in scientific publication (PMID: 23735977). IHC-P was reported in scientific publication (PMID: 25988972).	

Images

Immunocytochemistry/Immunofluorescence: Nanog Antibody [NB100-58842] - The stem cell marker (Nanog) staining of iPS-BP cells. Nuclei were stained with DAPI (blue). Image collected and cropped by CiteAb from the following publication (//doi.org/10.1371/journal.pone.0044024) licensed under a CC-BY license.









Nanos

kDa

250-

130-

70-

51

38-28-19-16IP/WB

<- Nanog

Suv4-20dr

Flag

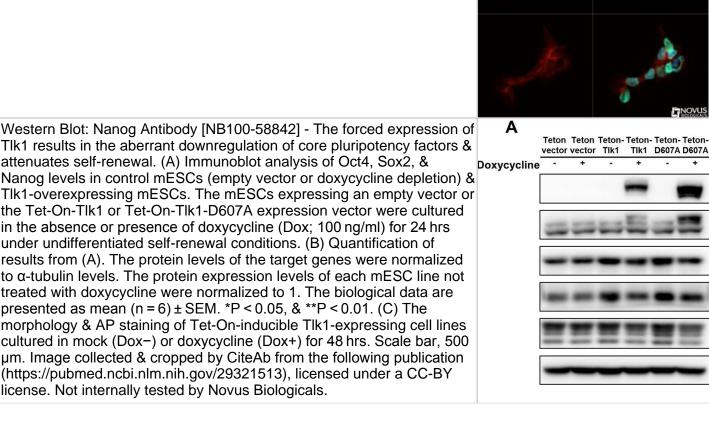
Tlk1

Oct4

Sox2

Nanog

α-tubulin



Immunohistochemistry: Nanog Antibody [NB100-58842] - Differentiation

Immunoprecipitation: Nanog Antibody [NB100-58842] - Samples: Whole

cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from F9 cells

prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-

Immunocytochemistry/Immunofluorescence: Nanog Antibody [NB100-58842] - Nanog antibody was tested in DGCR8 knockout Mouse embryonic stem cells (NBA1-19349) with DyLight 488 (green). Nuclei and alpha-tubulin were counterstained with DAPI (blue) and DyLight 550

Nanog antibody used for IP at 6 ug per reaction. Nanog was also

immunoprecipitated by rabbit anti-Nanog antibody. For blotting

Chemiluminescence with an exposure time of 10 seconds.

immunoprecipitated Nanog, this was used at 1 ug/ml. Detection:

of wt and Suv4-20dn teratomas. Representative images of Nanog staining in wt and Suv4-20dn teratomas. Scale bar, 200 um. Image collected and cropped by CiteAb from the following publication

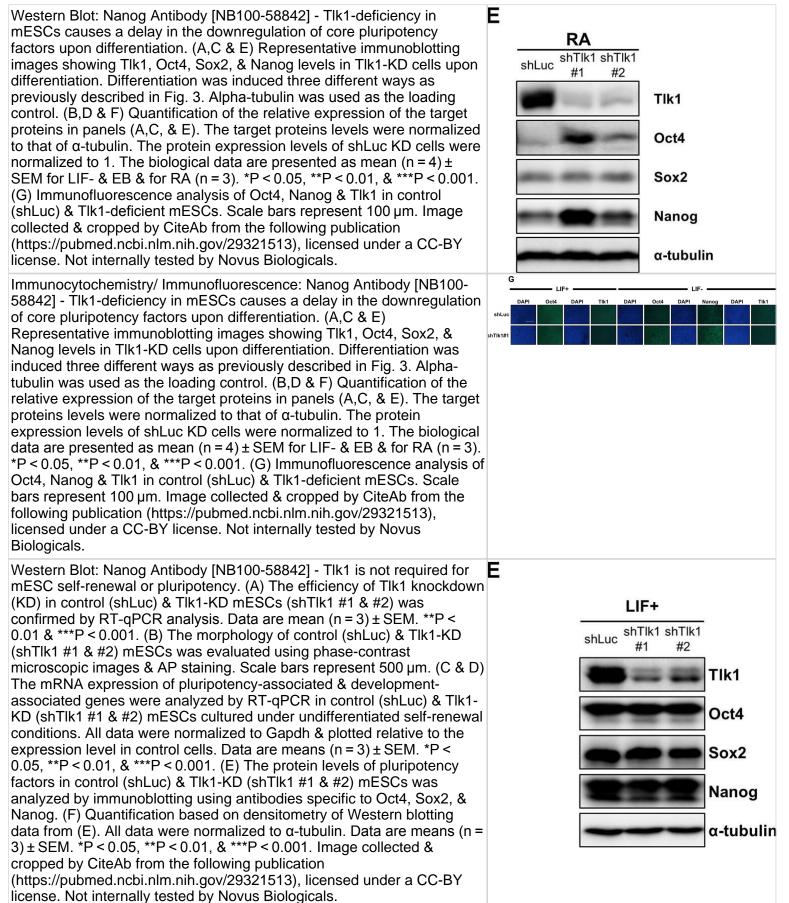
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license.

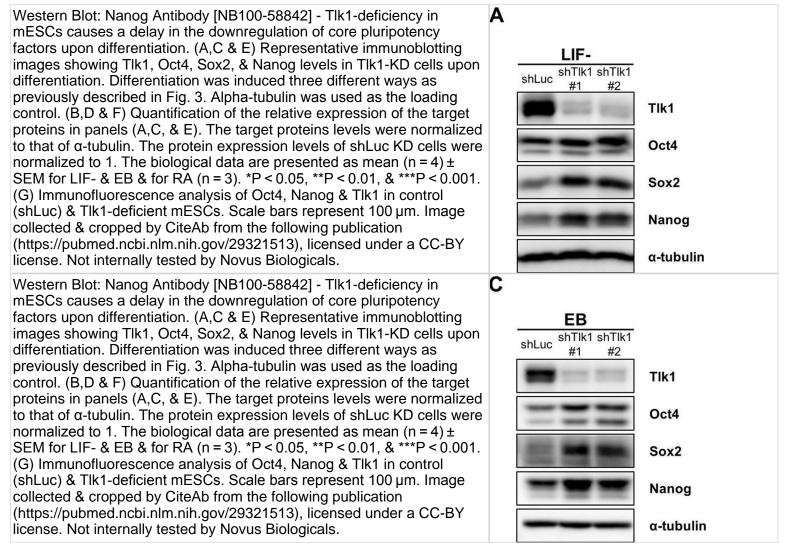
(red).

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Publications

Shen YR, Zaballa S, Bech X, Sancho-Balsells A et Al. Expansion of the neocortex and protection from neurodegeneration by in vivo transient reprogramming Cell Stem Cell 2024-10-19 [PMID: 39426381]

Yao M, Yang Q, Lian M, Su P et Al. Generation of Dip2a homozygous knockout murine ES cell line IBMSe001-A-1 via CRISPR/Cas9 technology Stem Cell Res 2020-05-04 [PMID: 32361465]

Gao Y, Tan DS, Girbig M et Al. The emergence of Sox and POU transcription factors predates the origins of animal stem cells Nat Commun 2024-11-15 [PMID: 39543096]

Kim B, Zhang S, Huang Y et Al. CRACD loss induces neuroendocrine cell plasticity of lung adenocarcinoma Cell Rep 2024-07-02 [PMID: 38796854]

Chen R, Su F, Zhang T et Al. N6-methyladenosine modification of B7-H3 mRNA promotes the development and progression of colorectal cancer iScience 2024-01-18 [PMID: 38318386]

Filidou E, Kandilogiannakis L, Tarapatzi G et al. A Simplified and Effective Approach for the Isolation of Small Pluripotent Stem Cells Derived from Human Peripheral Blood Biomedicines 2023-03-05 [PMID: 36979766] (Immunocytochemistry/ Immunofluorescence, Human)

Kim J, Muraoka M, Okada H et al. The RNA helicase DDX6 controls early mouse embryogenesis by repressing aberrant inhibition of BMP signaling through miRNA-mediated gene silencing PLOS Genetics 2022-10-05 [PMID: 36197846] (Immunohistochemistry, Immunocytochemistry/ Immunofluorescence)

Yao M, Pan Y, Ren T et al. Loss of Dip2b leads to abnormal neural differentiation from mESCs Stem Cell Res Ther 2023-09-13 [PMID: 37705068] (Immunocytochemistry/ Immunofluorescence)

Ma Z, Zhang F, Xiong J et al. Activation of embryonic/germ cell-like axis links poor outcomes of gliomas Cancer cell international 2022-11-26 [PMID: 36435765] (ICC/IF, Human)

Ma Y, Sun W, Zhao L et al. Generation of an mESC model with a human hemophilia B nonsense mutation via CRISPR/Cas9 technology Stem cell research & therapy 2022-07-26 [PMID: 35883203] (ICC, Mouse)

Zhou H, Sun H, Rong Z, Cui W Generation of Mt3 Homozygote murine ES cell lines via CRISPR/Cas9 technology Stem cell research 2022-02-18 [PMID: 35217495] (ICC/IF, Mouse)

Srivastava, Y, Tan, D S Et al. Cancer-associated missense mutations enhance the pluripotency reprogramming activity of OCT4 and SOX17. FEBS J 2020-01-01 [PMID: 31569299] (IF/IHC, WB, Human)

More publications at http://www.novusbio.com/NB100-58842





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Products Related to NB100-58842

NBP2-13177PEP	Nanog Antibody Blocking Peptide
NBP2-24891	Rabbit IgG Isotype Control
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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