

Product Datasheet

Nanog Antibody - BSA Free

NBP1-77109

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-77109

Nanog Antibody - BSA Free

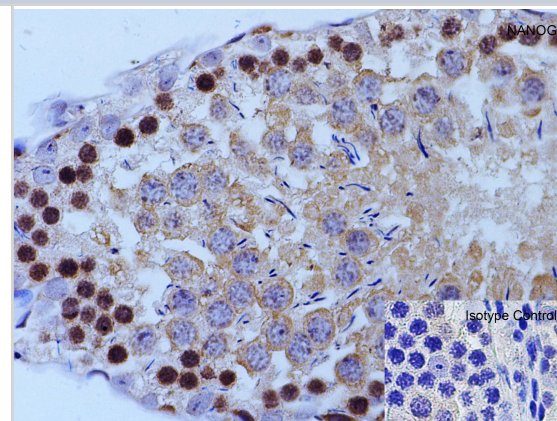
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS
Target Molecular Weight	35 kDa

Product Description	
Host	Rabbit
Gene ID	79923
Gene Symbol	NANOG
Species	Human, Mouse, Rat
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Bovine (89%)
Marker	Embryonic Stem Cell Marker
Immunogen	Antibody was raised against a 19 amino acid synthetic peptide near the center of human NANOG. The immunogen is located within amino acids 130 - 180 of NANOG. Amino Acid Sequence: KQVKTWFQNQRMKSKRWQK

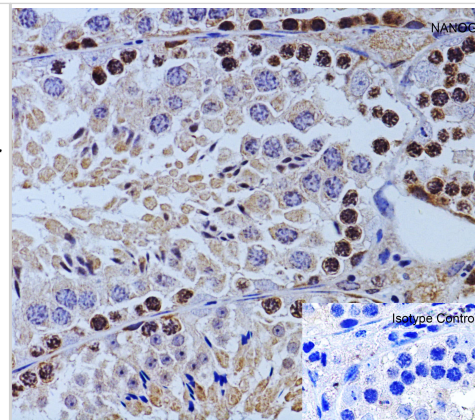
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1-2 ug/ml, ELISA 1:100-1:2000, Immunohistochemistry 5 ug/ml, Immunocytochemistry/ Immunofluorescence 20 ug/mL, Immunohistochemistry-Paraffin 5 ug/ml

Images

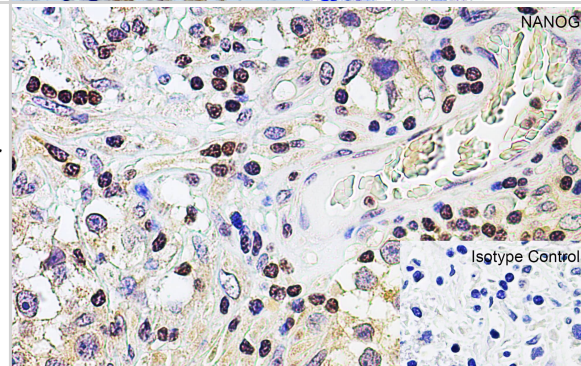
Immunohistochemistry: Nanog Antibody - BSA Free [NBP1-77109] - Validation of Nanog in Rat Testis Immunohistochemical analysis of paraffin-embedded rat testis tissue using anti-Nanog antibody at 2 u/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



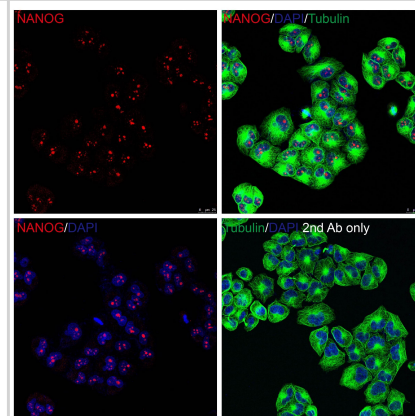
Immunohistochemistry: Nanog Antibody - BSA Free [NBP1-77109] - Validation of Nanog in Mouse Testis. Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-Nanog antibody at 2 u/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4°C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



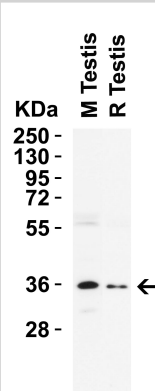
Immunohistochemistry: Nanog Antibody - BSA Free [NBP1-77109] - Validation of Nanog in Human Testis. Immunohistochemical analysis of paraffin-embedded human testis tissue using anti-Nanog antibody at 5 u/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4°C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



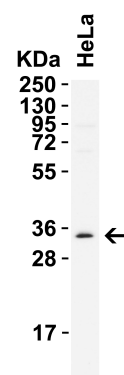
Immunocytochemistry/ Immunofluorescence: Nanog Antibody - BSA Free [NBP1-77109] - Validation of Nanog in HeLa Cells. Immunofluorescent analysis of PFA-fixed HeLa cells labeling Nanog with at 20 u/mL, followed by goat anti-rabbit IgG secondary antibody at 1/1000 dilution (red) and DAPI staining (blue). Alpha tubulin was stained with anti-alpha tubulin antibody following by goat anti-mouse IgG secondary antibody (green). Images were captured with confocal microscopy.



Western Blot: Nanog Antibody - BSA Free [NBP1-77109] - Validation in Mouse and Rat Testis. Antibodies: Nanog, 2 u/mL, 1h incubation at RT in 8% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Western Blot: Nanog Antibody - BSA Free [NBP1-77109] - Validation in HeLa Cells Loading: 15 u of lysate. Antibodies: Nanog, 2 u/mL, 1 h incubation at RT in 8% NFDM/TBST. Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.



Publications

Siu WS, Ma H, Ko CH et al. Rat Plantar Fascia Stem/Progenitor Cells Showed Lower Expression of Ligament Markers and Higher Pro-Inflammatory Cytokines after Intensive Mechanical Loading or Interleukin-1 β Treatment In Vitro Cells 2023-09-06 [PMID: 37759446] (Immunocytochemistry/ Immunofluorescence)



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP1-77109

NBP1-77109PEP	Nanog Antibody Blocking Peptide
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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