

Rabbit anti-Human Nanog Monoclonal Antibody | anti-NANOG antibody

Nanog Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282979	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

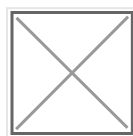
PRODUCT SYNONYMS

Nanog; Monoclonal Antibody; Nanog Rabbit mAb; NANOG; anti-NANOG antibody

PRODUCT SPECIFICATIONS

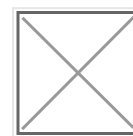
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	WQKNNWPKNS NGVTQKASAP TYPSTLYSSYH QGCLVNPTGN LPMWSNQTWN NSTWSNQTQN IQSWSNHSWN TQTWCTQSWN NQAWNPFYN CGEESLQSCM QFQPNSPASD LEAALEAAGE GLNVIQQTTR YFSTPQTMDL FLNYSNMNMQP EDV
Applicable Applications for anti-NANOG antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 153-305 of human Nanog (NP_079141.2).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



ICC (Immunocytochemistry)

Confocal imaging of paraffin-embedded Human seminoma tissue using Nanog Rabbit mAb (AAA282979, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IF staining. Objective: 40x.



WB (Western Blot)

Western blot analysis of various lysates, using Nanog Rabbit mAb (AAA282979) at 1:10000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 60s.

ADDITIONAL INFORMATION

Related Product Information for anti-NANOG antibody	The protein encoded by this gene is a DNA binding homeobox transcription factor involved in embryonic stem (ES) cell proliferation, renewal, and pluripotency. The encoded protein can block ES cell differentiation and can also autorepress its own expression in differentiating cells. Two transcript variants encoding different isoforms have been found for this gene.
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Product Categories/Family for anti-NANOG antibody	Epigenetics Nuclear Signaling; Transcription Factors; Cell Biology Developmental Biology; ESC Pluripotency and Differentiation; Antibodies
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NCBI AND UNIPROT INFORMATION

NCBI GI #	118573073
NCBI GeneID	79923
UniProt Accession #	Q9H9S0; Q2TTG0; Q6JZS5; D3DUU4
Molecular Weight	Calculated MW: 35kDa Observed MW: 37kDa, 42kDa
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-immunocytochemistry-immunofluorescence-western-blot-elisa/282979>