

Rabbit Phospho-Nanog (S71) Polyclonal Antibody | anti-NANOG antibody

Phospho-Nanog (S71) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288713	Rabbit	Human (Predicted Reactivity: Monkey)	ELISA, Dot Blot, Immunofluorescence

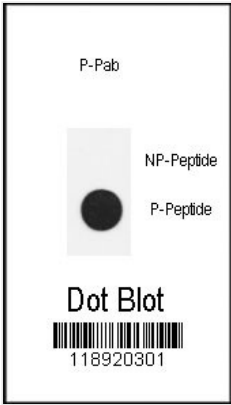
PRODUCT SYNONYMS

Phospho-Nanog (S71); Polyclonal Antibody; Phospho-Nanog (S71) Antibody; Homeobox protein NANOG; Homeobox transcription factor Nanog; hNanog; NANOG; anti-NANOG antibody

PRODUCT SPECIFICATIONS

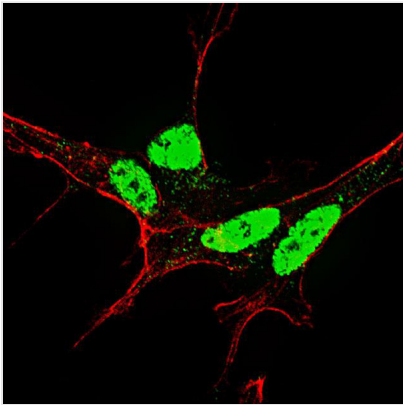
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Monkey)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Nanog Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S71 of human Nanog.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Length	305
Applicable Applications for anti-NANOG antibody	ELISA, DB (Dot Blot), IF (Immunofluorescence)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



DB (Dot Blot)

Dot blot analysis of anti-Phospho-Nanog-S71 Antibody on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5ug per ml.



IF (Immunofluorescence)

Fluorescent confocal image of SY5Y cells stained with AAA288713 Phospho-Nanog-S71 antibody. SY5Y cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.2%, 30 min), then incubated with AAA288713 Phospho-Nanog-S71 primary antibody (1:500, 2 h at room temperature). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:1000, 1h). Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (5.25 uM, 25 min). Phospho-Nanog immunoreactivity is localized very specifically to the nuclei of the SY5Y cells.

ADDITIONAL INFORMATION

Related Product Information for anti-NANOG antibody	NANOG is a Ttranscription regulator involved in inner cell mass and embryonic stem (ES) cels proliferation and self-renewal. It imposes pluripotency on ES cells and prevents their differentiation towards extraembryonic endoderm and trophectoderm lineages. This protein blocks bone morphogenetic protein-induced mesoderm differentiation of ES cells by physically interacting with SMAD1 and interfering with the recruitment of coactivators to the active SMAD transcriptional complexes. NANOG acts as a transcriptional activator or repressor. It binds optimally to the DNA consensus sequence 5'-[CG][GA][CG]C[GC]ATTAN[GC]-3'. When overexpressed, this protein promotes cells to enter into S phase and proliferation.
Product Categories/Family for anti-NANOG antibody	Cancer; Developmental Biology; Signal Transduction; Phospho Antibodies
References	Kochupurakkal,B.S., Biochem. Biophys. Res. Commun. 365 (4), 846-850 (2008) Freberg,C.T., Mol. Biol. Cell 18 (5), 1543-1553 (2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	153945816
NCBI GeneID	79923
NCBI Accession #	NP_079141.2
NCBI GenBank Nucleotide #	NM_024865.3
UniProt Accession #	Q9H9S0; Q2TTG0; Q6JZS5; D3DUU4
Molecular Weight	34620
NCBI Official Full Name	homeobox protein NANOG isoform 1
NCBI Official Synonym Full Names	Nanog homeobox
NCBI Official Symbol	NANOG
NCBI Protein Information	homeobox protein NANOG
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/polyclonal/phospho-nanog-s71-antibody-dot-blot-immunofluorescence-elisa/288713>