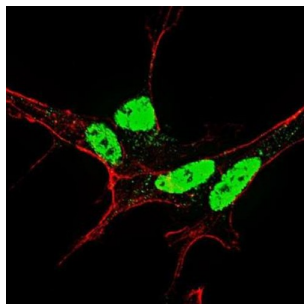
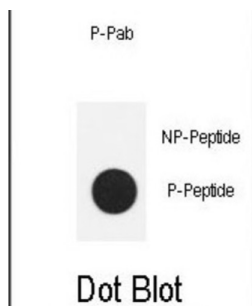


Nanog (pS71) Antibody

Catalogue No.: abx032058



NANOG is a Ttranscription regulator involved in inner cell mass and embryonic stem (ES) cells proliferation and self-renewal. It imposes pluripotency on ES cells and prevents their differentiation towards extraembryonic endoderm and trophoctoderm 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.

Target: Nanog (pS71)

Clonality: Polyclonal

Target Modification: Ser71

Modification: Phosphorylation

Reactivity: Human

Tested Applications: ELISA, IF/ICC, DB

Host: Rabbit

Recommended dilutions: IF/ICC: 1/10 - 1/50, DB: 1/500. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Datasheet

Version: 1.0.0
Revision date: 18 Oct 2025



Immunogen:	KLH-conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S71 of human Nanog.
Isotype:	IgG
Form:	Liquid
Purification:	Purified through a protein A column, followed by two-step phosphospecific peptide affinity purification.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q9H9S0 (UniProt , ExPASy)
String:	9606.ENSP00000229307
Molecular Weight:	Calculated MW: 34.6 kDa
Buffer:	PBS containing 0.09% sodium azide.
Specificity:	Predicted to react with Monkey NANOG.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.