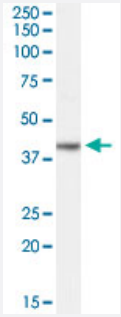
NANOG polyclonal antibody

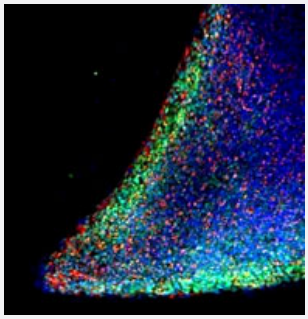
Catalog # PAB6837 Size 100 ug

Applications



Western Blot (Tissue lysate)

NANOG polyclonal antibody (Cat # PAB6837) (0.03 ug/mL) staining of human ovary lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Immunofluorescence

NANOG polyclonal antibody (Cat # PAB6837) (5ug/ml) staining (green) parts of a colony of induced pluriform stem cells derived from human keratinocytes. Data kindly provided by CMRB, Center of Regenerative Medicine in Barcelona, Spain.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of NANOG.
Immunogen	A synthetic peptide corresponding to internal region of human NANOG.
Sequence	C-QNQRMKSKRWQKNN
Host	Goat
Theoretical MW (kDa)	34.6
Reactivity	Human, Pig
Form	Liquid

Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:64000) Western Blot (0.03-0.1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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- Immunofluorescence

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — NANOG

Entrez GeneID	79923
Protein Accession#	NP_079141.2
Gene Name	NANOG
Gene Alias	-
Gene Description	Nanog homeobox
Omim ID	607937
Gene Ontology	Hyperlink
Other Designations	homeobox transcription factor Nanog|homeobox transcription factor Nanog-delta 48

Publication Reference

- Specific gene-regulation networks during the pre-implantation development of the pig embryo as revealed by deep sequencing.

  Cao S, Han J, Wu J, Li Q, Liu S, Zhang W, Pei Y, Ruan X, Liu Z, Wang X, Lim B, Li N.

  BMC Genomics 2014 Jan; 15(1):4.

  Application: IF, Pig, Blastocyst

- Generation of Induced Pluripotent Stem Cells with High Efficiency from Human Umbilical Cord Blood Mononuclear Cells.

  Wang J, Gu Q, Hao J, Bai D, Liu L, Zhao X, Liu Z, Wang L, Zhou Q.

  Genomics, Proteomics & Bioinformatics 2013 Oct; 11(5):304.

  Application: IF, Human, UCB-iPSCs

- Derivation of Putative Porcine Embryonic Germ Cells and Analysis of Their Multi-lineage Differentiation Potential.

  Cong Y, Ma J, Sun R, Wang J, Xue B, Wang J, Xie B, Wang J, Hu K, Liu Z.

  Journal of Genetics and Genomics 2013 Sep; 40(9):453.

  Application: ICC, IF, Pig, Pig embryonic germ cells

- A signature for induced pluripotent stem cell-associated genes in colorectal cancer.

  Liu YH, Li Y, Liu XH, Sui HM, Liu YX, Xiao ZQ, Zheng P, Chen L, Yao S, Xing C, Zhou J, Li JM.

  Medical Oncology 2013 Mar; 30(1):426.

  Application: IFA, Human, Human colon cancer tissue

- Disease-corrected haematopoietic progenitors from Fanconi anaemia induced pluripotent stem cells.

  Raya A, Rodriguez-Piza I, Guenechea G, Vassena R, Navarro S, Barrero MJ, Consiglio A, Castella M, Rio P, Sleep E, Gonzalez F, Tiscornia G, Garreta E, Aasen T, Veiga A, Verma IM, Surralles J, Bueren J, Izpisua Belmonte JC.

  Nature 2009 May; 460(7251):53.

- Efficient and rapid generation of induced pluripotent stem cells from human keratinocytes.

  Aasen T, Raya A, Barrero MJ, Garreta E, Consiglio A, Gonzalez F, Vassena R, Bilic J, Pekarik V, Tiscornia G, Edel M, Boue S, Izpisua Belmonte JC.

  Nature Biotechnology 2008 Oct; 26(11):1276.