

Rabbit anti-Mouse NANOG Polyclonal Antibody | anti-Nanog antibody

NANOG antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50475	Rabbit	Mouse	Western Blot, Immunofluorescence, Chromatin Immunoprecipitation, Immunoprecipitation

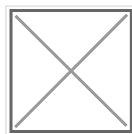
PRODUCT SYNONYMS

NANOG; Polyclonal Antibody; NANOG antibody; RABBIT ANTI MOUSE NANOG; anti-Nanog antibody

PRODUCT SPECIFICATIONS

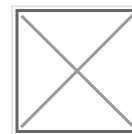
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antiserum to mouse NANOG was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
Form/Format	Purified IgG - liquid Phosphate buffered saline 0.035% Sodium Azide (NaN ₃), 30% Glycerol
Applicable Applications for anti-Nanog antibody	WB (Western Blot), IF (Immunofluorescence), ChIP (Chromatin immunoprecipitation)
Immunogen	A peptide within the N-terminal region of mouse NANOG
Preparation and Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20 degree C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8 degree C for short term use (up to 4 weeks) and store the remaining aliquots at -20 degree C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. Should this product contain a precipitate we recommend microcentrifugation before use.

IMAGES



WB (Western Blot)

Western blot analysis of P19 nuclear extract (lane 1), P19 nuclear extract treated with retinoic acid (lane 2) and mouse ES nuclear extract (lane 3) probed with NANOG antibody (AAA50475) at a 1/500 dilution.



IF (Immunofluorescence)

Immunofluorescence staining of mouse embryonic stem cells (mESCs) grown on mouse embryonic fibroblast feeder cells (MEFs) probed with NANOG antibody (AAA50475) at a 1/200 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-Nanog antibody

Rabbit anti Mouse NANOG antibody recognizes homeobox protein NANOG, otherwise known as homeobox transcription factor NANOG.

NANOG plays a role in the proliferation and self-renewal of embryonic stem (ES) cells and prevents their differentiation towards extraembryonic endoderm and trophectoderm lineages (Barral et al. 2019). Overexpression of NANOG has been shown to promote cells to enter into S phase and proliferation

NCBI AND UNIPROT INFORMATION

NCBI GI #	577019513
NCBI GeneID	71950
NCBI Accession #	NP_001276757.1
NCBI GenBank Nucleotide #	NM_001289828.1
UniProt Accession #	Q80Z64; Q6SMR1; Q7TN85; Q5TM83
Molecular Weight	34,240 Da
NCBI Official Full Name	homeobox protein NANOG isoform 2
NCBI Official Synonym Full Names	Nanog homeobox
NCBI Official Symbol	Nanog
NCBI Official Synonym Symbols	ENK; ecat4; 2410002E02Rik
NCBI Protein Information	homeobox protein NANOG; ES cell-associated protein 4; homeobox transcription factor Nanog; early embryo specific expression NK family; early embryo specific expression NK-type homeobox protein
UniProt Protein Name	Homeobox protein NANOG
UniProt Gene Name	Nanog
UniProt Synonym Gene Names	Ecat4; Enk
UniProt Entry Name	NANOG_MOUSE

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/nanog-antibody-western-blot-immunofluorescence-chromatin-immunoprecipitation-elisa/50475>