

Rat anti-Mouse Nanog Monoclonal Antibody | anti-Nanog antibody

Nanog antibody (mAb)(Clone 2E6E1)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA60061	Rat	Mouse	Western Blot, Immunofluorescence, Immunocytochemistry

PRODUCT SYNONYMS

Nanog; Monoclonal Antibody; Nanog antibody (mAb)(Clone 2E6E1); ENK; ecat4; 2410002E02Rik; anti-Nanog antibody

PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	2E6E1
Purity/Purification	Protein G Chromatography
Form/Format	Purified IgG in PBS with 30% glycerol and 0.035% sodium azide. Sodium azide is highly toxic.
Concentration	1ug/ul (varies by lot)
Applicable Applications for anti-Nanog antibody	WB (Western Blot), IF (Immunofluorescence), ICC (Immunocytochemistry)
Immunogen	This antibody was raised against a peptide comprising amino acids 2-25 of mouse Nanog.
Preparation and Storage	Some products may be shipped at room temperature. This will not affect their stability or performance. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20 degree C for up to 2 years. Keep all reagents on ice when not in storage.1ug/ul

IMAGES



WB (Western Blot)

Nanog antibody (mAb) (Clone 2E6E1) tested by Western blot. Nanog antibody detection by Western blot. The analysis was performed using 30 ug of mouse ES nuclear extract and Nanog antibody at a 2 ug/ml dilution.



IF (Immunofluorescence)

Nanog antibody (mAb) (Clone 2E6E1) tested by immunofluorescence. Top: HeLa cells stained with Nanog antibody (mAb). Bottom: Hoechst staining.

ADDITIONAL INFORMATION

Related Product Information for anti-Nanog antibody	Short Description: Our Nanog antibody (mAb)(Clone 2E6E1) was raised in a Rat host. It has been validated for use in Immunocytochemistry, Immunofluorescence and Western blot; it has been shown to react with Mouse samples. Background: Nanog (Nanog homeobox) is a transcriptional regulator involved in inner cell mass and embryonic stem (ES) cells proliferation and self-renewal. Imposes pluripotency on ES cells and prevents their differentiation towards extraembryonic endoderm and trophectoderm lineages. 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 (By similarity). Acts as a transcriptional activator or repressor (By similarity). Binds optimally to the DNA consensus sequence 5'-TAAT[GT][GT]-3' or 5'-[CG][GA][CG]C[GC]ATTAN[GC]-3' (By similarity). When overexpressed, promotes cells to enter into S phase and proliferation (By similarity).
Product Categories/Family for anti-Nanog antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

Molecular Weight	45kDa
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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-clone-2e6e1-western-blot-immunofluorescence-immunocytochemistry-elisa/60061>