

NANOG Antibody

NANOG, Nanog homeobox, homeobox transcription factor Nanog, homeobox transcription factor Nanog-delta 48

CATALOG NO.: 45-932

HOST:
Goat

CLONALITY:
Polyclonal

INFORMATION:
NANOG Antibody.

SOURCE:
NANOG antibody was raised against a synthetic peptide near the C-terminus of NANOG.

PROTEIN ACCESSION NUMBER(S) :
NP_079141.1

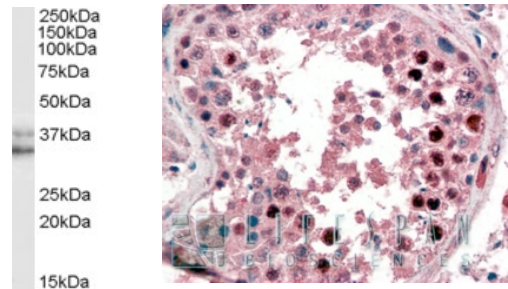
SPECIES REACTIVITY:
Human

TESTED APPLICATION:
ELISA, Western Blot, Immunohistochemistry

APPLICATION:
Peptide ELISA: antibody detection limit dilution 1:128000.
Western Blot: Approx 35kDa band observed in nuclear lysates of cell line HeLa (calculated MW of 34.6kDa according to NP_079141.1). Recommended concentration: 0.05-0.1µg/ml. An additional band of approx. 37kDa is observed and is consistent with the observations of higher molecular weight bands regularly found with antibodies from other sources. Immunohistochemistry: In paraffin embedded Human Testis shows nuclear staining in spermatogonia. Recommended concentration, 1-2µg/ml.

PURIFICATION:
Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

BUFFER:
0.1mg of purified antibody in 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.



Left: Western blot analysis of NANOG in HeLa (nuclear) cell lysate (35µg protein in RIPA buffer) using NANOG antibody (0.05µg/ml). Right: NANOG staining of paraffin embedded human tonsil using NANOG antibody at 2µg/mL.

STORAGE:

Aliquot and store at -20°C. Minimize freezing and thawing.

REFERENCE:

Yasuda SY, Tsuneyoshi N, Sumi T, Hasegawa K, Tada T, Nakatsuji N, Suemori H. NANOG maintains self-renewal of primate ES cells in the absence of a feeder layer. *Genes Cells*. 2006 Sep;11(9):1115-23.

USER NOTES:

When working with antibodies optimal dilutions/concentrations should be determined by the end user for each application. The information provided is a guideline for antibody use. As with all ProSci antibodies, this antibody is for research use only.