

NANOS1 Antibody

NANOS1, nanos homolog 1 (Drosophila), NOS1

CATALOG NO.: 45-933

HOST:

Goat

CLONALITY:

Polyclonal

INFORMATION:

NANOS1 Antibody. This antibody is expected to recognise the longer isoform 1 only (NP_955631), ie not isoform 2 (NP_001009553).

SOURCE:

NANOS1 antibody was raised against a synthetic peptide of NANOS1.

PROTEIN ACCESSION NUMBER(S) :

NP_955631.1

SPECIES REACTIVITY:

Human

TESTED APPLICATION:

WB, E

APPLICATION:

Peptide ELISA: antibody detection limit dilution 1:64,000. Approx 35-37kDa band observed in Human Testis lysates (calculated MW of 30.2kDa according to NP_955631.1). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Clarke et al, Hum Mol Genet. 2004 Apr 1;13(7):727-39. Epub 2004 Feb 12, PMID: 14962983). Recommended concentration: 1-3µg/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.



Western blot analysis of NANOS1 in Human Testis lysate (35µg protein in RIPA buffer) using NANOS1 antibody (0.3µg/ml).

STORAGE:

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

REFERENCE:

Jaruzelska J, Kotecki M, Kusz K, Spik A, Firpo M, Reijo Pera RA. Conservation of a Pumilio-Nanos complex from Drosophila germ plasm to human germ cells. Dev Genes Evol. 2003 Apr;213(3):120-6. Epub 2003 Feb 11.

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.