

Datasheet for ABIN181657  
**anti-Nanog antibody (Biotin)**[Go to Product page](#)

## 4 Images

## Overview

Quantity:	50 µg
Target:	Nanog (NANOG)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Nanog antibody is conjugated to Biotin
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	Highly pure (> 98%) E.coli recombinant Human Nanog
Specificity:	This antibody recognizes Human Nanog. Other species not tested.
Purification:	Affinity Chromatography

## Target Details

Target:	Nanog (NANOG)
Alternative Name:	NANOG ( <a href="#">NANOG Products</a> )
Background:	Nanog is a newly identified homeodomain-bearing transcriptional factor. Nanog expression is specific to early embryos and pluripotent stem cells including mouse and human embryonic stem (ES) and embryonic germ (EG) cells. It is a key molecule involved in the signaling pathway for maintaining the capacity for self-renewal and pluripotency, bypassing regulation by the STAT3 pathway. Nanog mRNA is present in pluripotent mouse and human cell lines, and

## Target Details

absent from differentiated cells. Nanog-deficient ES cells lose pluripotency and differentiate into extraembryonic endoderm lineage. Thus it is one of the molecular markers suitable for recognizing the undifferentiated state of stem cells in the mouse and human. NANOG is a new marker for testicular carcinoma in situ and germ cell tumors. Synonyms: Homeobox protein NANOG

Gene ID: 100293888

NCBI Accession: [NP\\_079141](#)

UniProt: [Q9H9S0](#)

Pathways: [Stem Cell Maintenance](#)

## Application Details

**Application Notes:** ELISA: Direct: To detect hNanog (using 100 µL/well antibody solution) a concentration of 0.25 - 1.0 µg/mL of this antibody is required. In conjunction with compatible secondary reagents, it allows the detection of at least 0.2 - 0.4 ng/well of recombinant hNanog. Sandwich: To detect hNanog (using 100 µL/well antibody solution) a concentration of 0.25 - 1.0 µg/mL of this antibody is required. In conjunction with Polyclonal Anti-Human Nanog as a capture antibody, it allows the detection of at least 0.2 - 0.4 ng/well of recombinant hNanog. Western blot: To detect hNanog this antibody can be used at a concentration of 0.1 - 0.2 µg/mL. Used in conjunction with compatible secondary reagents the detection limit for recombinant hNanog is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Restrictions:** For Research Use only

## Handling

**Reconstitution:** Centrifuge vial prior to opening. Restore in sterile PBS containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL.

**Buffer:** PBS, pH 7.2

**Handling Advice:** Avoid repeated freezing and thawing.

**Storage:** 4 °C/-20 °C

**Storage Comment:** Prior to reconstitution store at 2-8 °C. Following reconstitution store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

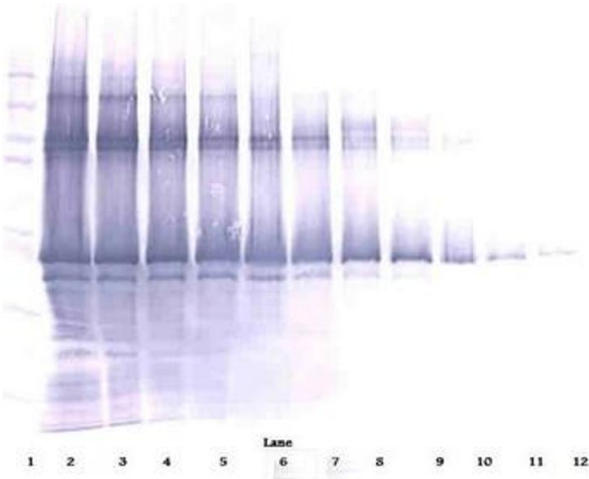


Image 1.

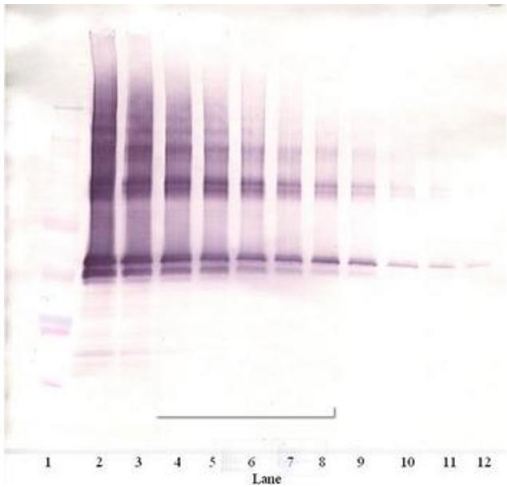


Image 2.

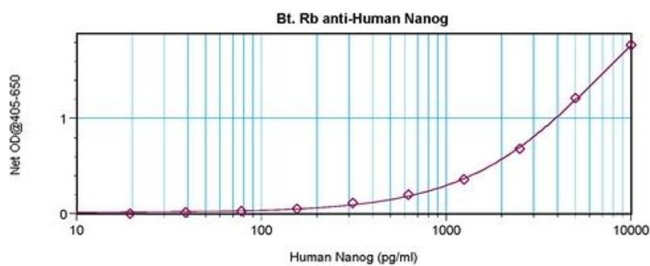


Image 3.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN181657.