

## Nanog P8 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP05776
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human NANOGP8. AA range:51-100
<b>Mol wt</b>	34615
<b>Species reactivity</b>	Human
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Nanog P8 Antibody
<b>Synonyms</b>	NANOGP8; Putative homeobox protein NANOGP8

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

This locus is a processed pseudogene of the transcription factor NANOG. NANOG plays a central role in regulating self-renewal in pluripotent stem cells and tumor cells. This pseudogene contains an intact open reading frame that could potentially encode a protein similar to NANOG. Although there is no evidence of transcription from this pseudogene, RT-PCR studies suggest that NANOGP8 may be expressed in some cancer cell lines. In vitro studies using a recombinant NANOGP8 protein have shown that the protein localizes to the nucleus and can promote cell proliferation, similar to NANOG.

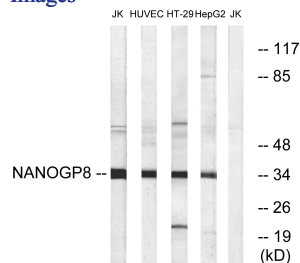
### Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 10000

Not yet tested in other applications.

### Images



Western blot analysis of lysates from HUVEC, HT-29, HepG2, and Jurkat cells, using NANOGP8 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using Nanog P8 Polyclonal Antibody diluted at 1:2000

## Storage

-20°C for one year

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